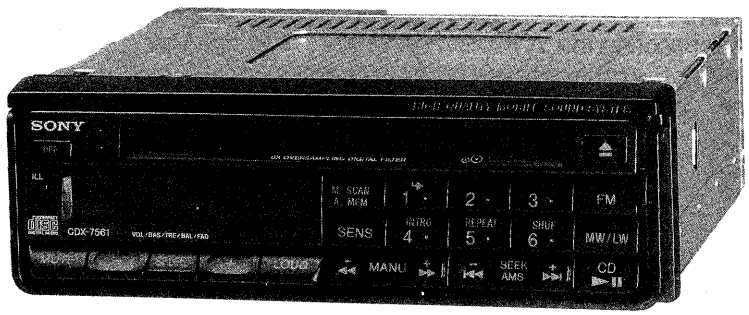
# CDX-7561

# SERVICE MANUAL

*AEP Model*
*UK Model*




## SPECIFICATIONS

| | |
|---|---|
| Model Name Using Similar Mechanism | CDX-7581 |
| CD Drive Mechanism Type | MG-200Z-33 |

### CD player section

System
  Compact disc digital audio system
Frequency response
  10 – 20,000 Hz ±3 dB
Signal to noise ratio
  90 dB
Wow and flutter
  Below measurable limit

### General

Power requirements
  12 V DC car battery (negative ground)
Current drain
  800 mA (CD playback)
  2 A (during disc loading or eject)
Operating temperature
  –10°C to 50°C
Dimensions
  CD player:
  Approx. 182 × 53 × 155 mm (w/h/d)
Weight
  Approx. 2.1 kg
Tone controls
  Bass ±10 dB (100 Hz)
  Treble ±10 dB (10 kHz)
Supplied accessories
  Mounting hardware (1 set)
Optional accessories
  Mounting kit
  Cleaning cloth XP-CD1

### Tuner section

| | FM | MW | LW |
|---|---|---|---|
| Tuning range | 87.5 – 108.0 MHz | 531 – 1,602 kHz | 153 – 281 kHz |
| Antenna terminal | FM/AM external antenna connector | | |
| Intermediate frequency | 10.7 MHz | 450 kHz | |
| Usable sensitivity | 12 dBf (1.1 μV/75 ohms) | 35 μV | 48 μV |
| Selectivity | 75 dB at ±400 kHz | — | — |
| Signal-to-noise ratio | 70 dB (monaural) 65 dB (stereo) | 55 dB | — |
| Harmonic distortion at 1 kHz | 0.3% (monaural) 0.5% (stereo) | 0.3% | — |
| Stereo separation | 35 dB | — | — |
| Frequency response | 30 Hz – 15,000 Hz ±3 dB | | |

Design and specifications subject to change without notice.

## FM/MW/LW COMPACT DISC PLAYER

SONY®

使用時は添付資料も参照のこと
Refer to the additional documents

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## SERVICING NOTE

### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

### Notes on chip component replacement

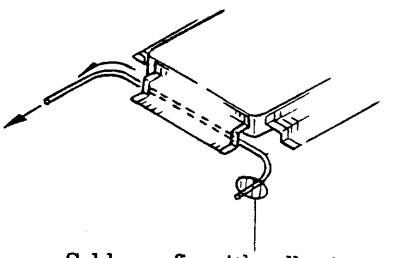
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

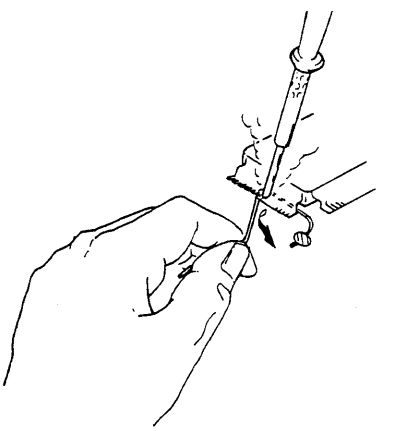
### Removing the Flat Package IC

1. Prepare an enameled wire (0.3mm diameter) and apply it to the back side of the IC pins as illustrated below.



Solder or fix with adhesive tape.

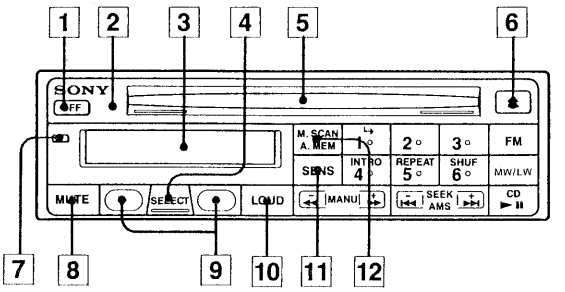
2. Heat the IC pin with the soldering iron and draw the enameled wire so that the IC pin is removed from the pattern as illustrated.



# SECTION 1
# GENERAL

## Location of Controls

### General section




1 OFF (power off) button

2 Reset button

3 Display window

4 SELECT (volume/balance/bass/treble/ fader select) button

5 Disc insertion slot

6 ⏏ (eject) button

7 ILL (illumination color change) button
Press to change the color of illumination. Two colors, green and amber, are available.

8 MUTE button
Press to momentarily mute the sound. Press again to restore the same level as before.

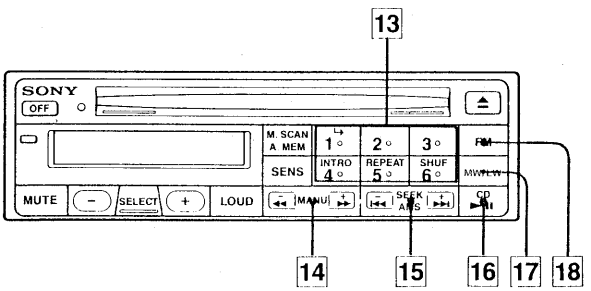
9 −/+ buttons

10 LOUD (loudness) button
Press to reinforce bass and treble especially when listening at low volume. To disengage the button, press it again.

11 SENS button

12 M.SCAN (memory scan) button
A.MEM (automatic memory)

### Radio/CD section




| 13 | Number | During disc play | During radio recetion |
|---|---|---|---|
| | 1 | ↳ (skipping to the top) button | Preset number buttons |
| | 2 | — | |
| | 3 | — | |
| | 4 | INTRO button | |
| | 5 | REPEAT button | |
| | 6 | SHUF (shuffle) button | |

| | During disc play | During radio reception |
|---|---|---|
| 14 | MANU ◂◂/▸▸ (manual search) button | MANU +/− (manual tuning) button |
| 15 | AMS* ⏮/⏭ button | SEEK +/− (automatic tuning) button |

16 CD ▶II (disc play/pause) button

17 MW/LW (tuner on/band select) button

18 FM (tuner on/band select) button

* Automatic Music Sensor

# SECTION 2
# CIRCUIT DESCRIPTION

**IC3 PINS (CXD1167Q)**

| Pin No. | Terminal | I/O | Description |
|---|---|---|---|
| 1 | FSW | O | Output time constant transfer. |
| 2 | MON | O | ON/OFF Control output. |
| 3 | MDP | O | Output drive of spindle motor. |
| 4 | MDS | O | Output drive of spindle motor. |
| 5 | EFM | I | Input the EFM signal from RF amplifier. |
| 6 | ASY | O | Control the slice level of EFM signal for output. |
| 7 | LOCK | O | "H" is H output, "L" is L output. |
| 8 | VCOO | O | Output VCO. |
| 9 | VCOI | I | Input VCO. |
| 10 | TEST | I | (0 V) |
| 11 | PDO | O | Phase compare output. |
| 12 | VSS | – | GND (0 V) |
| 13 | CLK | I | Data latch/Clock input from CPU. |
| 14 | XLT | I | Input the latch from CPU. |
| 15 | DATA | I | Serial data input from CPU. |
| 16 | XRST | I | System reset input. |
| 17 | CNIN | I | Input the tracking pulse. |
| 18 | SENS | O | Address. |
| 19 | MUTG | I | Muting input. |
| 20 | CRCF | O | Subcode Q signal output. |
| 21 | EXCK | I | Clock input for subcode serial output. |
| 22 | SBSO | O | Subcode serial output. |
| 23 | SUBQ | O | Subcode Q signal output. |
| 24 | SCOR | O | Subcode sync S0+S1 signal output. |
| 25 | SQCK | I/O | Subcode Q signal clock. |
| 26 | SQEX | I | Selective output of SQCK. |
| 27 | DOTX | O | Digital out output. |
| 28 | GFS | O | Display output. |
| 29 | TEST | I | "H" or "L". |
| 30 | TEST | I | "H" or "L". |
| 31 | TEST | I | "H" or "L". |
| 32 | TEST | I | "H" or "L". |
| 33 | VDD | – | POWER (+5 V) |
| 34 | TEST | I | "H" or "L". |
| 35 | TEST | I | "H" or "L". |
| 36 | TEST | I | "H" or "L". |
| 37 | TEST | I | "H" or "L". |
| 38 | TEST | I | "H" or "L". |
| 39 | TEST | I | "H" or "L". |
| 40 | TEST | I | "H" or "L". |
| 41 | TEST | I | "H" or "L". |

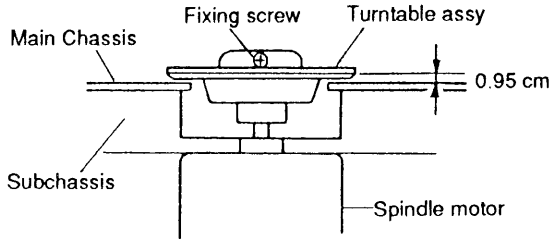
**IC3 PINS (CXD1167Q)**

| Pin No. | Terminal | I/O | Description |
|---|---|---|---|
| 42 | TEST | I | "H" or "L". |
| 43 | TEST | I | "H" or "L". |
| 44 | TEST | I | "H" or "L". |
| 45 | TEST | I | "H" or "L". |
| 46 | TEST | I | "H" or "L". |
| 47 | TEST | I | "H" or "L". |
| 48 | TEST | I | "H" or "L". |
| 49 | TEST | I | "H" or "L". |
| 50 | TEST | I | "H" or "L". |
| 51 | C4M | O | X'tal. f = 4.2336 MHz |
| 52 | VSS | – | GND (0 V) |
| 53 | XTAI | I | X'tal oscillate input. f = 8.4672 MHz or 16.9344 MHz |
| 54 | XTAO | O | X'tal oscillate output. f = 8.4672 MHz or 16.9344 MHz |
| 55 | MD1 | I | Mode select input 1. |
| 56 | MD2 | I | Mode select input 2. |
| 57 | MD3 | I | Mode select input 3. |
| 58 | SLOB | I | Code change input of audio data output. |
| 59 | PSSL | I | Mode change input of audio data output. |
| 60 | APTR | O | Aperture control output. R-ch: "H". |
| 61 | APTL | O | Aperture control output. L-ch: "H". |
| 62 | DA01 | O | PSSL = "H": DA01 output. PSSL = "L": C1F1 output. |
| 63 | DA02 | O | PSSL = "H": DA02 output. PSSL = "L": C1F2 output. |
| 64 | DA03 | O | PSSL = "H": DA03 output. PSSL = "L": C2F1 output. |
| 65 | DA04 | O | PSSL = "H": DA04 output. PSSL = "L": C2F2 output. |
| 66 | DA05 | O | PSSL = "H": DA05 output. PSSL = "L": C2FL output. |
| 67 | DA06 | O | PSSL = "H": DA06 output. PSSL = "L": C2PO output. |
| 68 | DA07 | O | PSSL = "H": DA07 output. PSSL = "L": RFCK output. |
| 69 | DA08 | O | PSSL = "H": DA08 output. PSSL = "L": WFCK output. |
| 70 | DA09 | O | PSSL = "H": DA09 output. PSSL = "L": $\overline{\text{PLCK}}$ output. |
| 71 | DA10 | O | PSSL = "H": DA10 output. PSSL = "L": UGFS output. |
| 72 | DA11 | O | PSSL = "H": DA11 output. PSSL = "L": GTOP output. |
| 73 | VDD | – | POWER (+5 V) |
| 74 | DA12 | O | PSSL = "H": DA12 output. PSSL = "L": RAOV output. |
| 75 | DA13 | O | PSSL = "H": DA13 output. PSSL = "L": C4LR output. |
| 76 | DA14 | O | PSSL = "H": DA14 output. PSSL = "L": BCLK output. |
| 77 | DA15 | O | PSSL = "H": DA15 output. PSSL = "L": $\overline{\text{BCLK}}$ output. |
| 78 | DA16 | O | PSSL = "H": DA16 output. PSSL = "L": DATA output. |
| 79 | WDCK | O | Strobe signal output. DF ON: 176.4 kHz, DF OFF: 88.2 kHz |
| 80 | LRCK | O | Strobe signal output. DF ON: 88.2 kHz, DF OFF: 44.1 kHz |

# SECTION 3
# MECHANICAL ADJUSTMENTS

### Turntable Height Adjustment

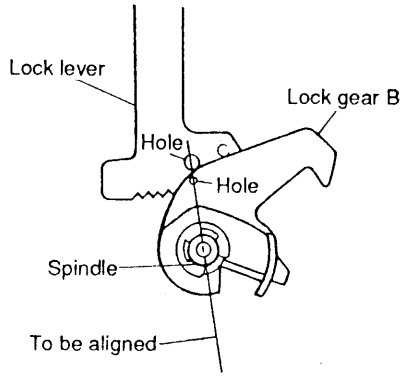
Loosen the fixing screws and adjust the height to the specification illustrated.




### Lock Gears (A and B) Installing Adjustment

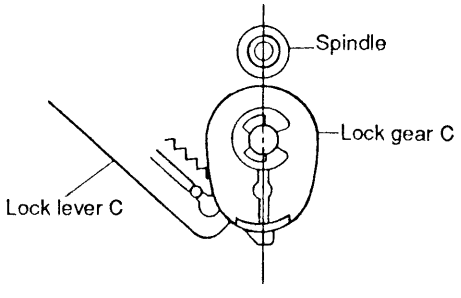
Since installing lock gears A and B is the same, only lock gear B is described below.

1. Rotate the gear near the motor with your fingers to move the optical section toward the external circumference.
2. Continue to rotate the gear until the lock gear is disconnected from the notch of the chassis and stops.
3. Fix the lock gear so that the holes of the lock lever and the lock gear and the spindle are roughly aligned.




### Lock Gear C installing Position Adjustment

1. Rotate the gear near the motor and move the optical section toward the external circumference.
2. Continue to rotate the gear until the lock gear is disconnected from the notch of the chassis and stops.
3. Fix lock gear C so that the spindle, the lock gear C fixing axis and the center of the lock gear C projection are roughly aligned.




# SECTION 4
# ELECTRICAL ADJUSTMENTS

### SERVICE MODE

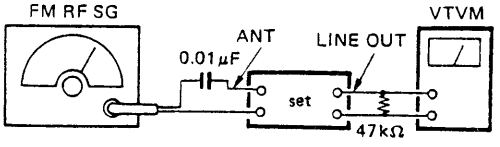
| IC Name | |
|---|---|
| μPD75516GF-107 | Put on the MUTE and PRESET [1] button at simultaneous. |
| μPD75516GF-160 | Put on the MUTE and LOUD button at simultaneous. |

**How to cancel of service mode:**

Push of the [OFF] button or [RESET] button.

Carrier leak

**Adjustment:**




Carrier frequency: 98.0MHz
Output level: 1mV (More than 35dB)
Mode: FM
Modulation: Pilot signal 19kHz, 7.5kHz deviation (10%)

**Procedure:**

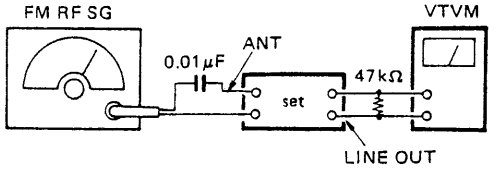
1. Tune-up 98.0MHz
2. Adjust RV601.

**FM stereo separation adjustment**

**Conditions:**

BAND SWITCH FM STEREO
FREQUENCY 98.0MHz

**Adjustment:**




Carrier frequency: 98.0MHz
Output level: 1mV (More than 35dB)
Mode: FM
Modulation: Main channel: 1kHz, 33.75kHz deviation (45%)
Pilot signal: 19kHz, 7.5kHz deviation (10%)
Subchannel: 1kHz, 33.75kHz deviation (45%)

**Procedure:**

| FM Stereo SSG Output channel | VTVM connection | VTVM reading (dB) |
|---|---|---|
| L-CH | L-CH | (A) |
| R-CH | L-CH | Adjust RV602 so that the VTVM reading is minimum. (B) |
| R-CH | R-CH | (C) |
| L-CH | R-CH | Adjust RV602 so that the VTVM reading is minimum. (D) |

Note: The separation values in the two channels should be identical.
(A) – (B) = (C) – (D)

### PLL free-run frequency adjustment

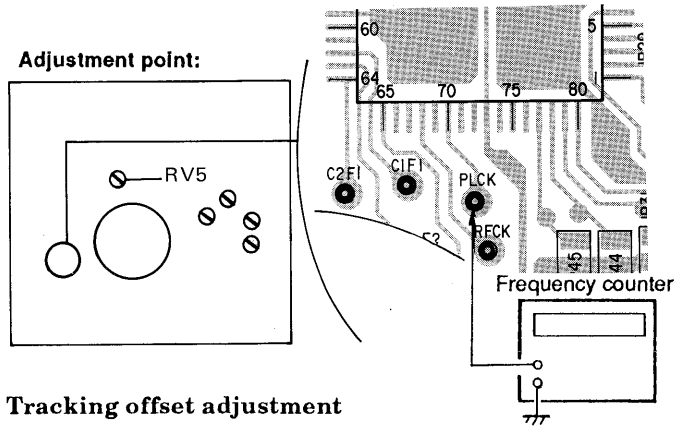
Perform on service mode.

**Adjustment:**

1. Remove the soldering bridge (EFM) from the RF board.
2. Connect the frequency counter to test point (PLCK).
3. Turn the power on and adjust RV5 so that frequency counter reading satisfies the specification.

Adjustable limits: 4.3118 to 4.3318MHz

**Adjustment point:**

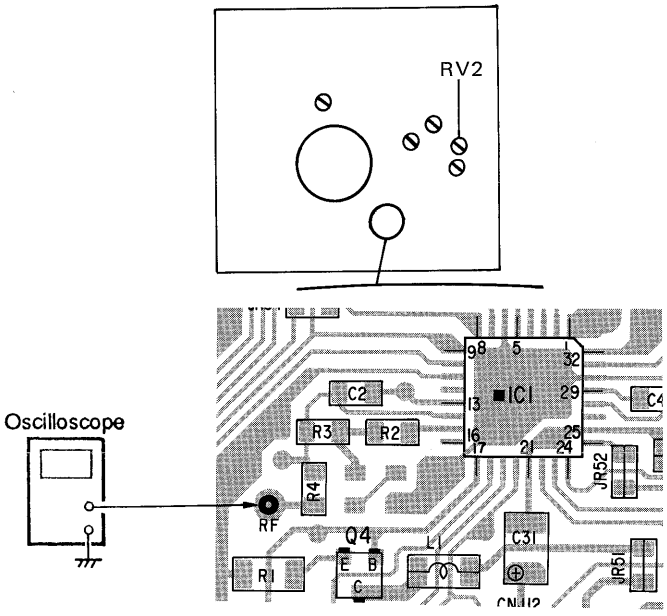



### Focus offset adjustment

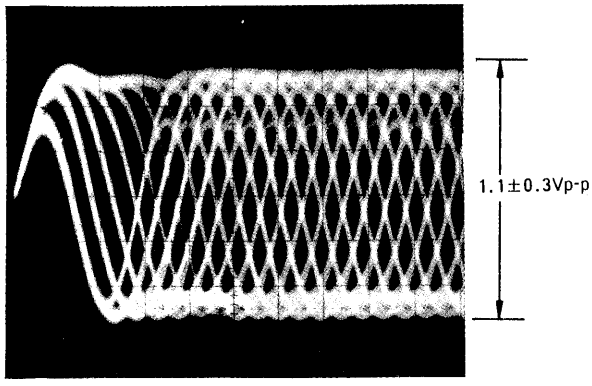
**Adjustment:**

1. Connect the oscilloscope to test point RF on the RF board.
2. Load a disc and set mode to PLAY.
3. Adjust RV2 so that the waveform on the oscilloscope (eye pattern) is maximum with good shape. "Well-shaped eye pattern" means that the mark " ◇ " is clearly distinguished at the center of the waveform.

**Adjustment point:** RF board




Volt/div: 200mV
Time/div: 0.5µsec

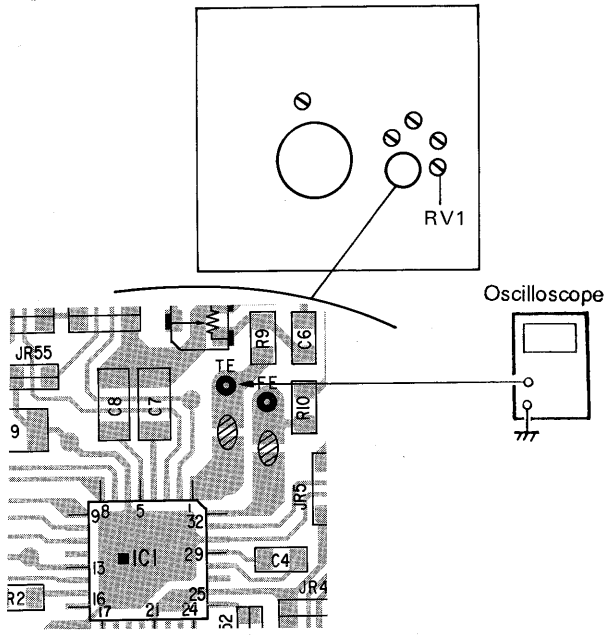



### Tracking offset adjustment

**Adjustment:**

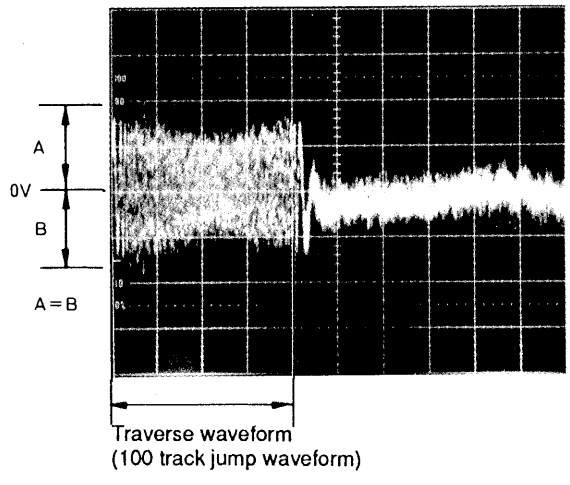
1. Connect the oscilloscope to test point TE on the MD board.
2. Load a disc and set mode to PLAY.
3. Press button |◀◀ or ▶▶| (◀◀ or ▶▶) and observe the traverse waveform.
4. Adjust RV1 so that the waveform is symmetric when cenetered at the level to be accessed.

**Adjustment point:** RF board




* Traverse waveform: Tracking error waveform which is observed when the track is traversed.

Volt/div: 0.5V
Time/div: 2msec
Center 0V



**Tracking gain adjustment (Coarse adjustment)**

This adjustment is not required unless the following parts are replaced:

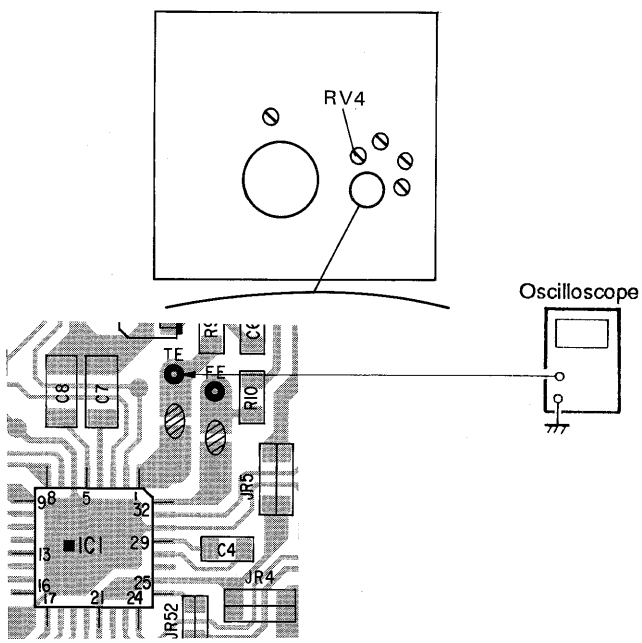
- Optical block

Before starting this adjustment, complete the focus offset adjustment and the tracking off set adjustment.

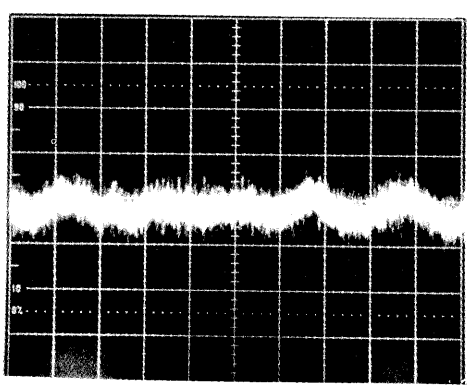
**Adjustment:**

1. Connect the oscilloscope to test point TE on the main board.
2. Load a disc and set mode to PLAY.
3. Turning RV4 clockwise, from the leftmost position, observe the waveform on the oscilloscope.
   Fix RV4 at the position where the waveform is become stable.

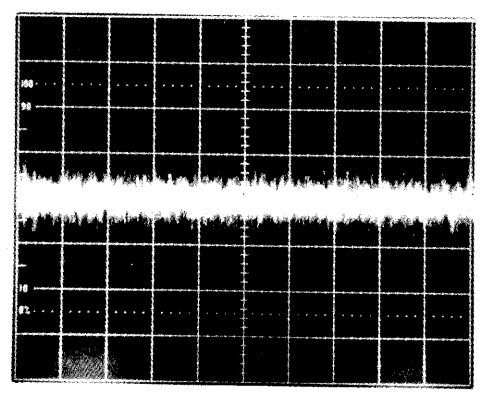
**Adjustment point:** RF board




Volt/div: 0.5V
Tile/div: 2msec



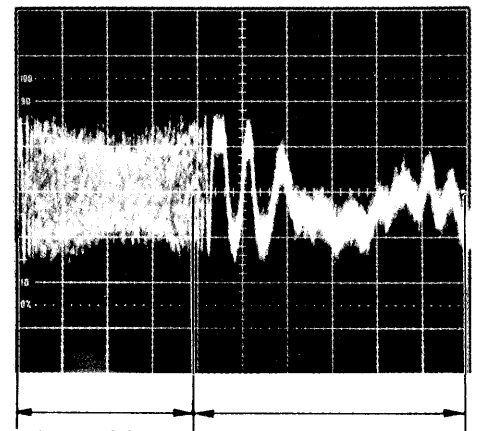
Fluctuating waveform



Stable waveform

- If the gain is too low

When music is selected by pressing button ⏮ or ⏭ , the tracking jump waveform is not focused completely and the music selection is delayed. (Break function does not work wall because its gain is too low.)

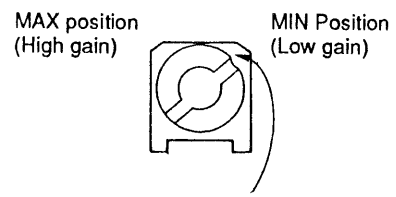


100-track jump waveform

Traverse waveform caused when break is not functioning well

- If the gain is too high

Noise due to scratches and dust is heard and the operation becomes unstable.




The standard setting is with the contact point located at this position.

— RV4 standard setting —

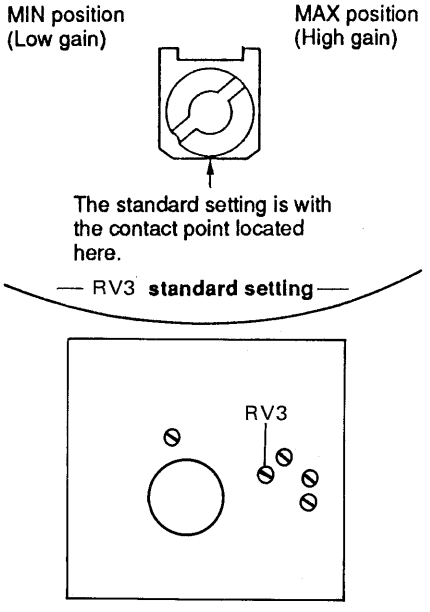
### Focus gain adjustment (Coarse adjustment)

This adjustment is not required unless the following parts are replaced:

- Optical block
- RV3

### Adjustment

1. Set RV3 to the standard position.
2. Check whether operation noise (white noise type) caused by the double-axis device (lens section of the optical block) is abnormally loud.
   If the operation noise is too loud, turn RV3 slightly counterclockwise.

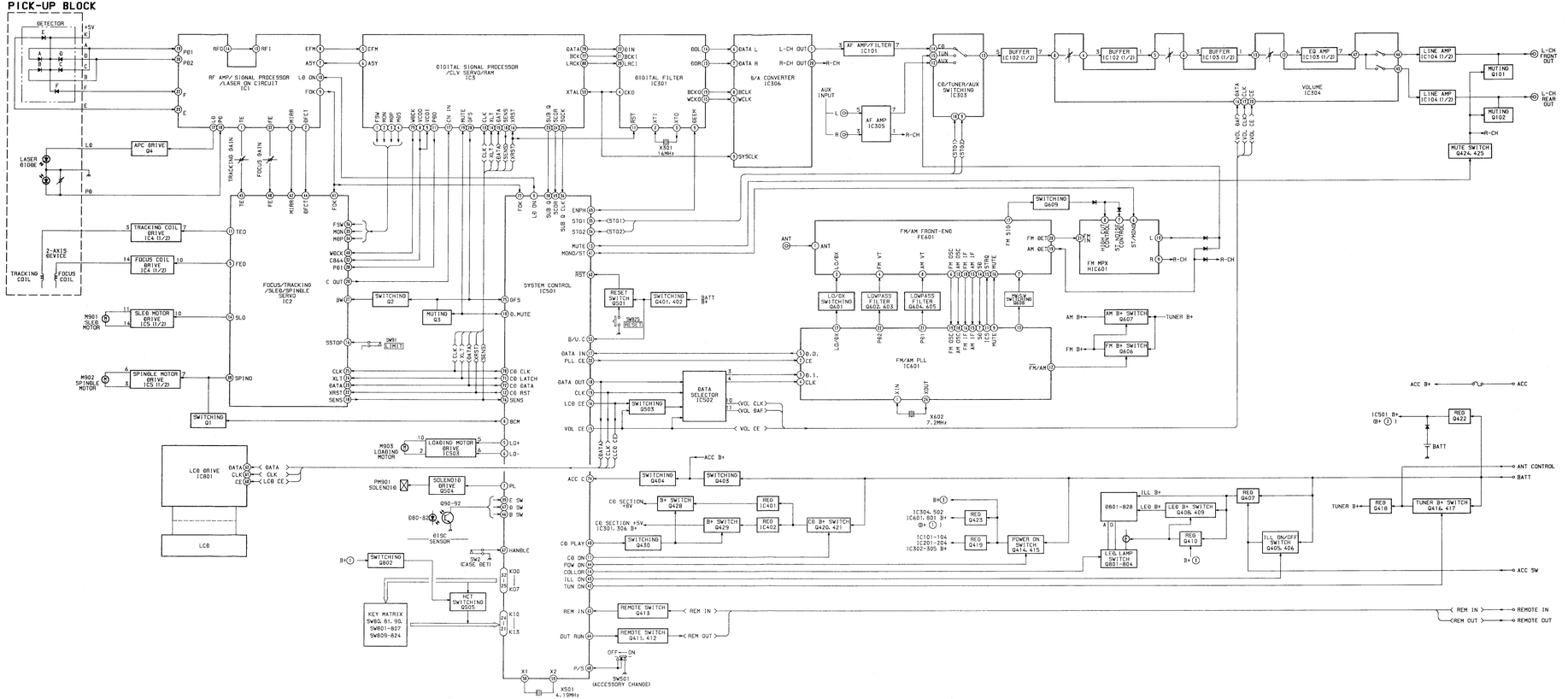



- If the gain is too low:
  Focus does not function and no music is selected.
- If the gain is too high:
  Noise caused by scratches and dust is heard and the operation becomes unstable.

5-1. BLOCK DIAGRAM

# SECTION 5
# DIAGRAMS

## OPTICAL PICK-UP BLOCK



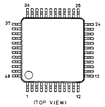
## 5-2. SEMICONDUCTOR LEAD LAYOUTS

CXA1081Q

RC78M05FA
RC7808FA

CL-55Y/PG-D

CXA1082BQ



DTA124EK
DTC114EK
DTC124EK
DTC143TU
DTC144EK
DTC314TKH04
DTD113EK
2SB624-BV345
2SC2412K

LN1251C

MA152WK

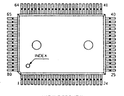
LB1645N

PN147-LF

PZ427

RD3.9ES-B2
RD4.3ES-B2
RD5.6ES-B2
RD6.2ES-L1
RD8.2ES-B3
RD9.1ES-B2
RD9.1ES-B3
RD16ES-B3
1SS119

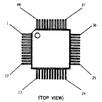
CXD1167Q
UPD75516GF-107-3B9




2SB1184-F5-R
2SD1760F5-Q

1SS226

LC7537AN




2SB1115A
2SD1664-R

1S2836

LC7582

10E2

## • SEMICONDUCTOR LOCATION (MD Section)

| Ref. No. | Location |
|---|---|
| D80 | F-1 |
| D81 | E-3 |
| D82 | C-1 |
| IC1 | F-11 |
| IC2 | D-11 |
| IC3 | E-7 |
| IC4 | B-11 |
| IC5 | B-10 |
| Q1 | E-10 |
| Q2 | C-7 |
| Q3 | C-7 |
| Q4 | G-10 |
| Q90 | F-5 |
| Q91 | F-4 |
| Q92 | D-4 |

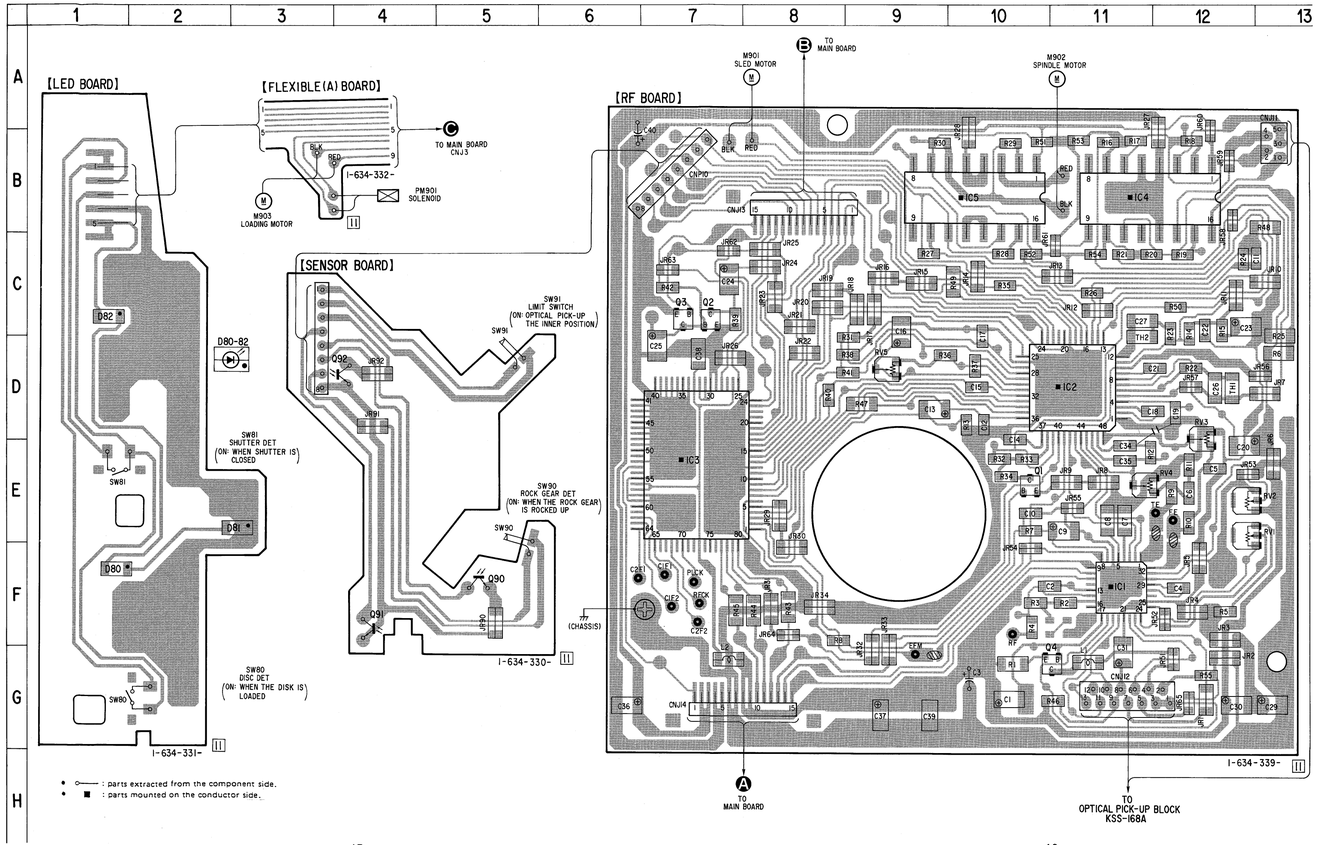


## • SEMICONDUCTOR LOCATION (MAIN Section)

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D101 | F-8 | D812 | B-20 | Q402 | F-10 |
| D102 | F-8 | D813 | B-20 | Q403 | D-13 |
| D103 | H-8 | D814 | B-21 | Q404 | D-13 |
| D201 | E-8 | D815 | B-22 | Q405 | E-19 |
| D202 | E-8 | D816 | B-23 | Q406 | E-19 |
| D203 | F-8 | D817 | B-20 | Q407 | E-19 |
| D301 | E-7 | D818 | B-20 | Q408 | J-9 |
| D402 | F-10 | D819 | B-21 | Q409 | K-10 |
| D403 | E-13 | D820 | B-22 | Q410 | E-19 |
| D404 | E-13 | D821 | B-23 | Q411 | E-16 |
| D405 | D-9 | D822 | C-19 | Q412 | E-12 |
| D406 | D-9 | D823 | C-20 | Q413 | E-12 |
| D407 | D-8 | D824 | C-21 | Q414 | E-17 |
| D408 | E-11 | D825 | C-21 | Q415 | E-18 |
| D409 | D-11 | D826 | C-22 | Q416 | E-10 |
| D410 | E-10 | D827 | C-22 | Q417 | D-10 |
| D411 | E-8 | D828 | C-23 | Q418 | E-18 |
| D412 | F-10 | D829 | B-6 | Q419 | E-8 |
| D413 | F-10 | | | Q420 | E-22 |
| D414 | E-8 | IC101 | I-5 | Q421 | E-5 |
| D415 | H-10 | IC102 | G-7 | Q422 | F-10 |
| D416 | E-5 | IC103 | G-7 | Q423 | E-20 |
| D501 | J-8 | IC104 | G-9 | Q424 | E-8 |
| D502 | J-8 | IC201 | H-5 | Q425 | F-8 |
| D503 | J-8 | IC202 | F-7 | Q428 | E-23 |
| D504 | J-8 | IC203 | F-7 | Q429 | E-5 |
| D505 | K-7 | IC204 | F-9 | Q430 | F-5 |
| D506 | F-4 | IC301 | J-5 | Q501 | J-19 |
| D507 | F-5 | IC302 | G-9 | Q502 | K-23 |
| D509 | J-8 | IC303 | F-6 | Q503 | K-7 |
| D510 | E-5 | IC304 | G-21 | Q504 | F-5 |
| D511 | E-5 | IC305 | D-6 | Q505 | I-21 |
| D601 | I-12 | IC306 | J-5 | Q601 | F-13 |
| D602 | I-11 | IC401 | D-6 | Q602 | F-13 |
| D603 | I-11 | IC402 | D-5 | Q603 | G-12 |
| D604 | I-11 | IC501 | I-9 | Q604 | G-13 |
| D801 | A-15 | IC502 | J-21 | Q605 | G-13 |
| D802 | A-16 | IC503 | F-4 | Q606 | G-12 |
| D803 | A-17 | IC601 | J-11 | Q607 | H-12 |
| D804 | C-15 | IC801 | B-11 | Q608 | H-12 |
| D805 | C-16 | | | Q609 | J-13 |
| D806 | C-17 | Q101 | F-9 | Q610 | J-12 |
| D807 | C-18 | Q102 | F-9 | Q801 | B-10 |
| D808 | C-19 | Q201 | E-9 | Q802 | B-10 |
| D809 | A-22 | Q202 | E-9 | Q803 | B-6 |
| D810 | A-22 | Q401 | F-10 | Q804 | A-6 |
| D811 | A-23 | | | | |



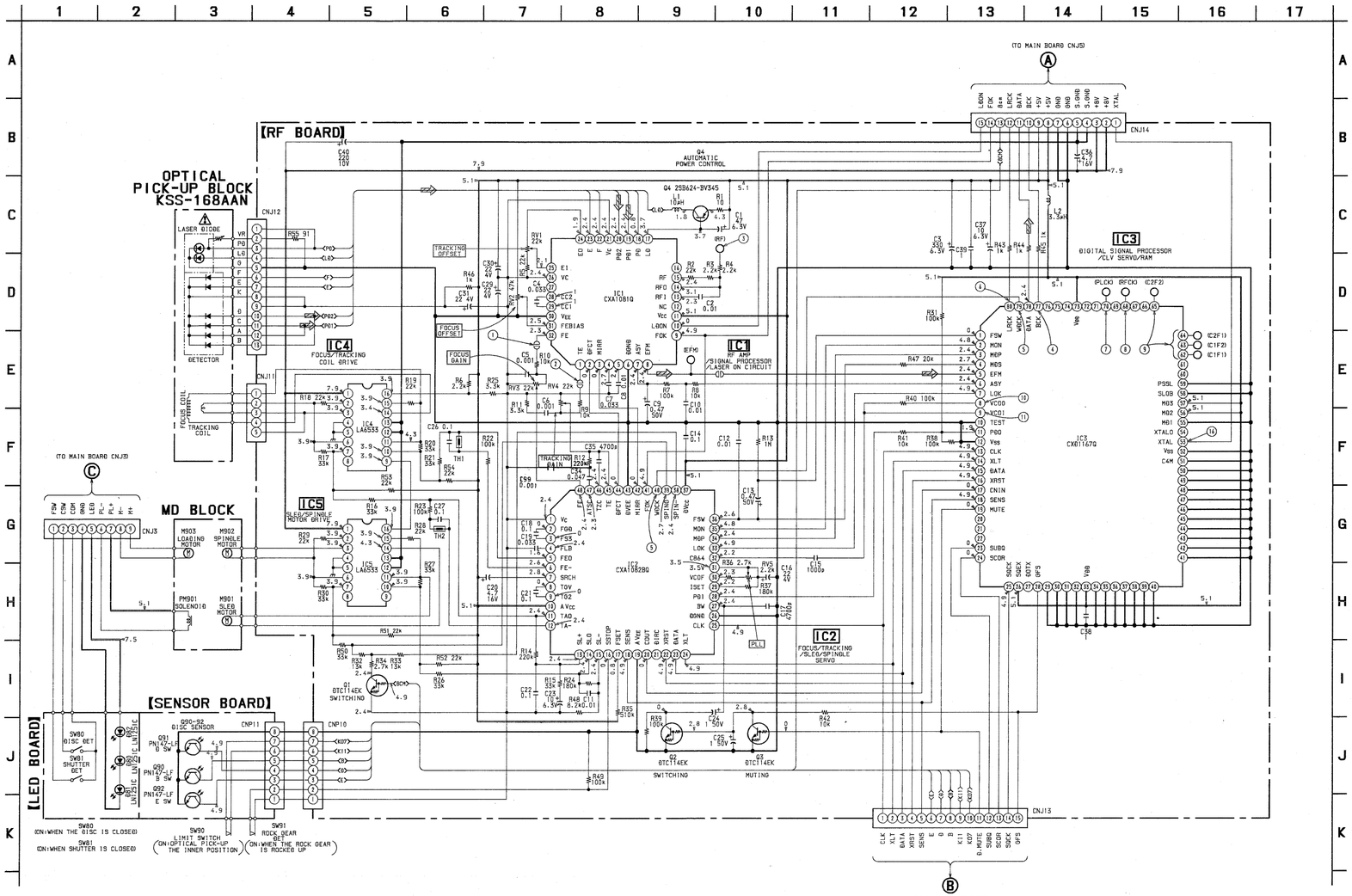
## 5-3. PRINTED WIRING BOARDS (MD Section)




• ○—— : parts extracted from the component side.
• ■ : parts mounted on the conductor side.

5-4. SCHEMATIC DIAGRAM (MD Section)

- **See page 30 for IC BLOCK DIAGRAMS.**
- **See page 33 for WAVEFORMS.**



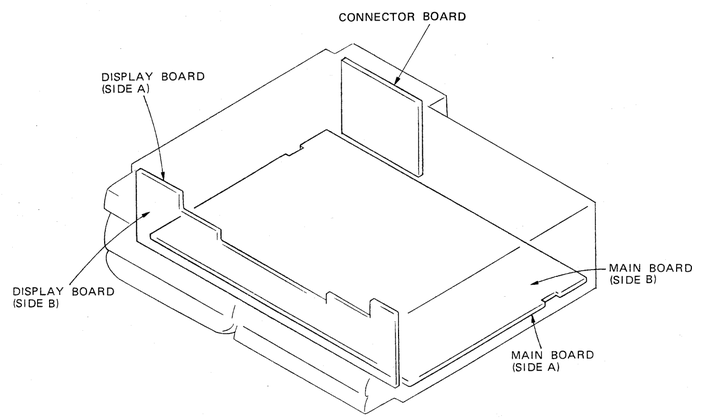

Note: (Main SECTION)

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/10W or less unless otherwise specified.
- △ : internal component.
- ——— : B+ lines.
- Power voltage is dc 14.4V dc and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark : FM
  ( ) : CD PLAY
  《 》: AM
- Voltages are taken with a VOM. (input impedance 10 MΩ) Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇛ : CD
  ⇛: AUX

Note: (MD SECTION)

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/10W or less unless otherwise specified.
- ——— : B+ lines.
- Power voltage is dc 14.4V dc and fed with regulated dc power supply from battery, accesory terminals..
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark : CD PLAY
- Circled numbers refer to waveforms.
- Signal path.
  ⇛ : CD

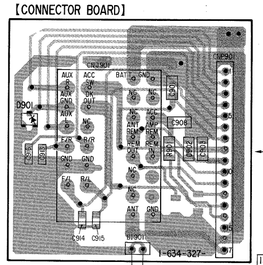
## 5-5. CIRCUIT BOARDS LOCATION



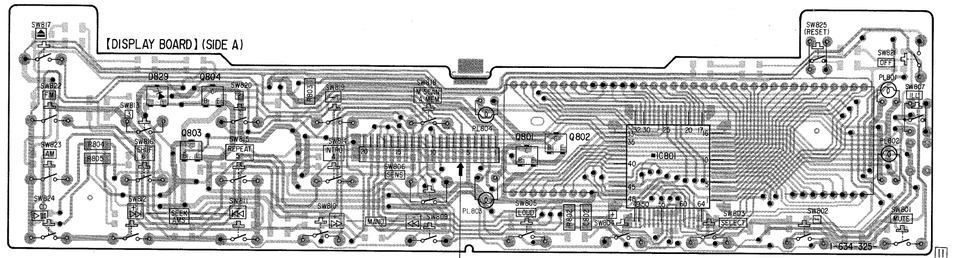
## 5-6. PRINTED WIRING BOARDS (MAIN Section)

- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.

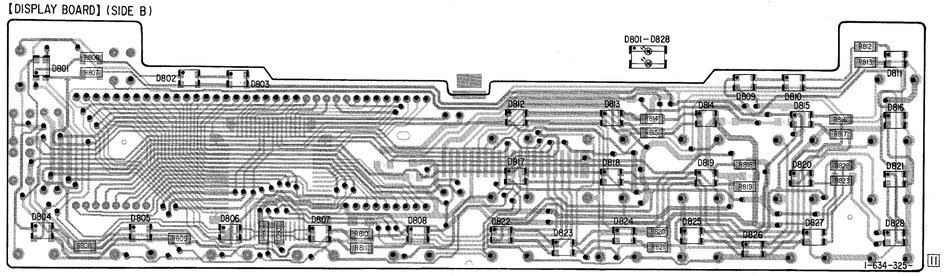
【CONNECTOR BOARD】



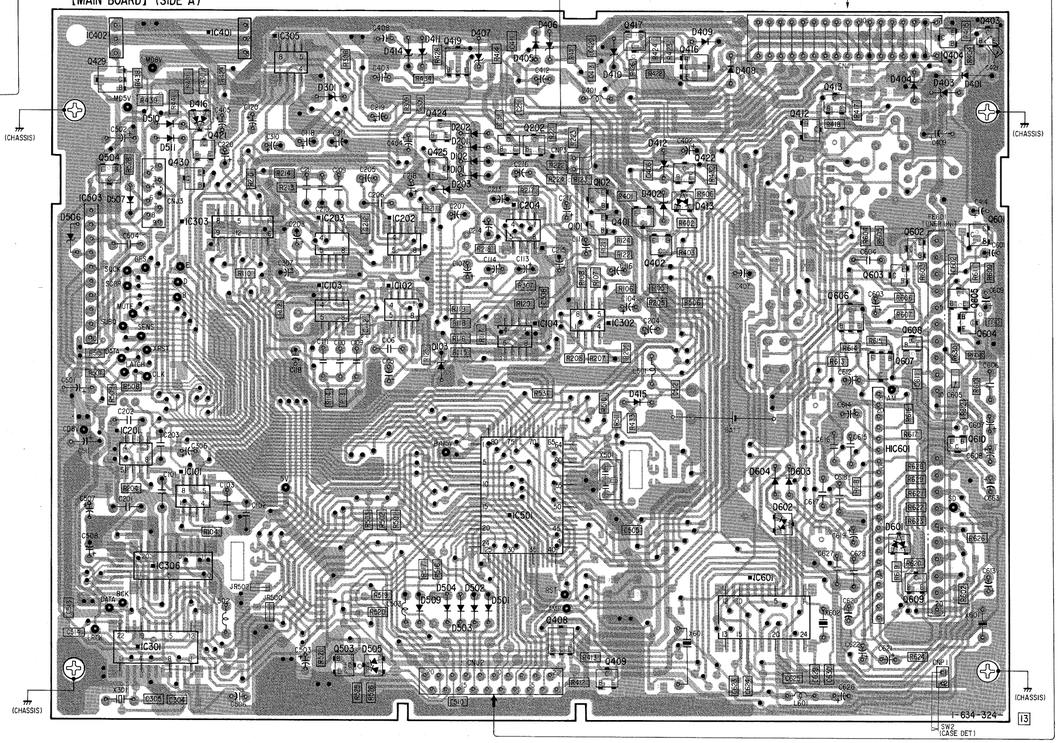
【DISPLAY BOARD】(SIDE A)



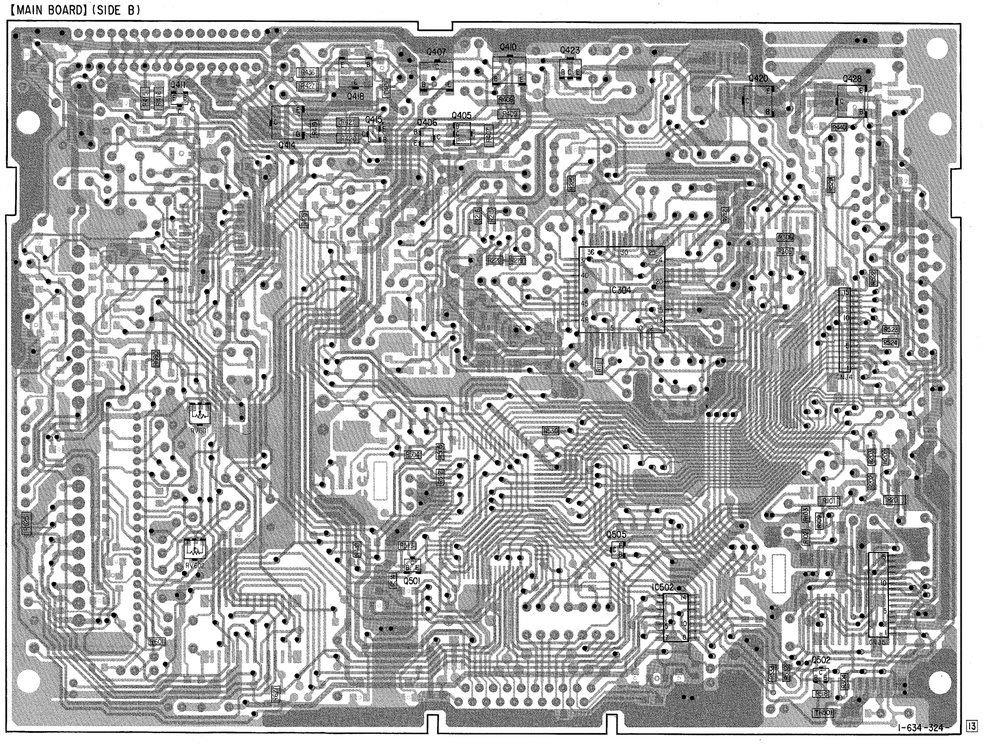
【DISPLAY BOARD】(SIDE B)

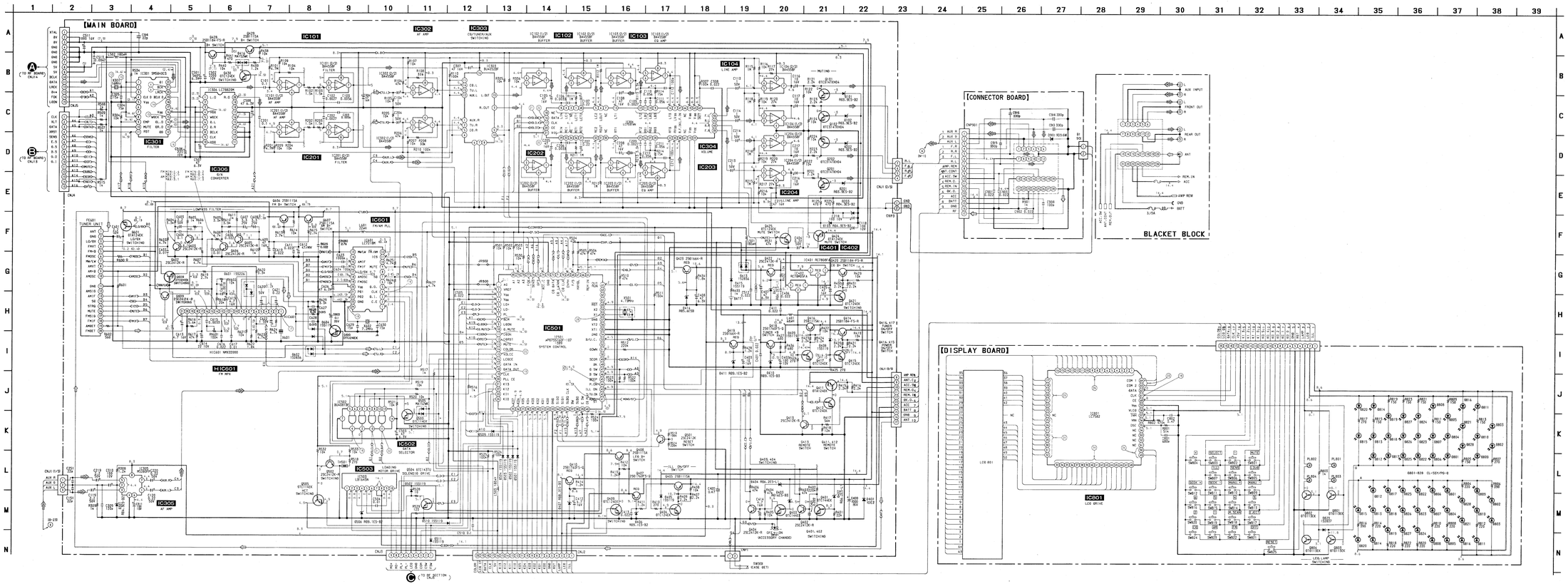


【MAIN BOARD】(SIDE A)

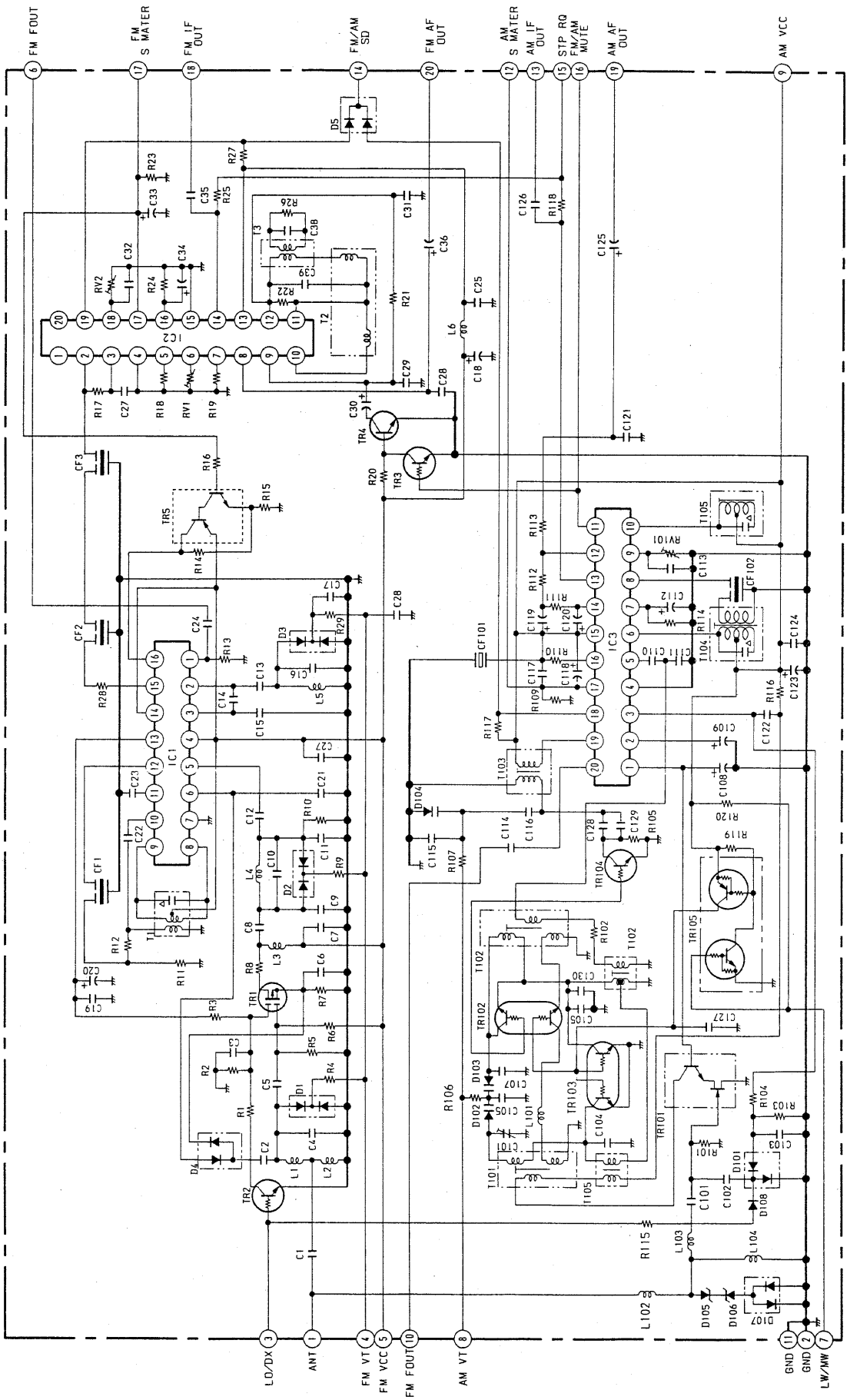


【MAIN BOARD】(SIDE B)



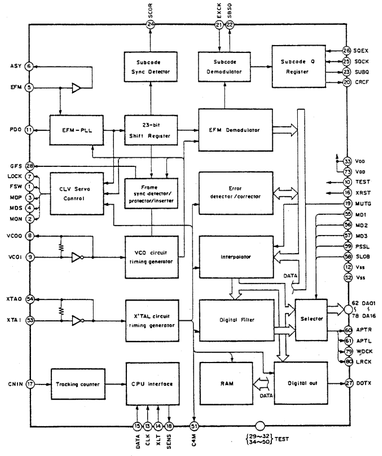

[MAIN BOARD]
IC101
IC102
IC103
IC104
IC105
IC106
IC201
IC202
IC203
IC204
IC301
IC302
IC303
IC401
IC402
IC501
IC502
IC503
IC601
IC602
IC603
IC604
IC605
IC606
IC607
IC608
IC609
IC610
IC611
IC612
IC613
IC614
IC615
IC616
IC617
IC618
IC619
IC620
IC621
IC622
IC623
IC624
IC625
IC626
IC627
IC628
IC629
IC630
IC631
IC632
IC633
IC634
IC635
IC636
IC637
IC638
IC639
IC640

## 5-8. SCHEMATIC DIAGRAM (TUNER Unit FE601)

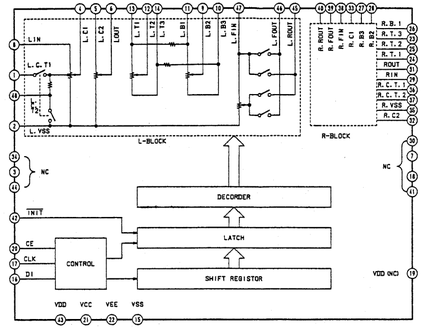


## 5-9. IC BLOCK DIAGRAM

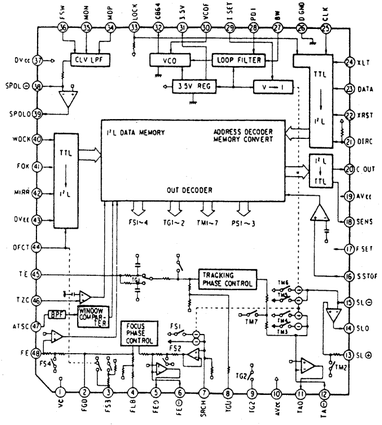
● IC3
CXD1167Q



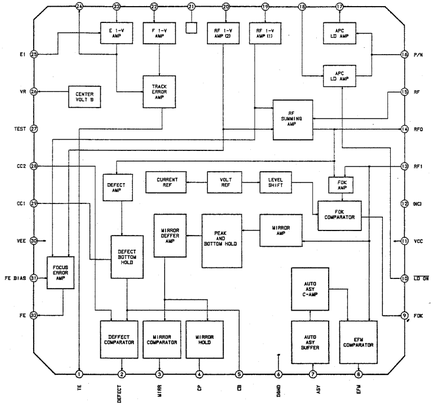

● IC304
LC7537AN



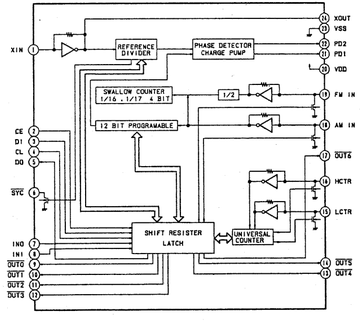

● IC2
CXA1082BQ



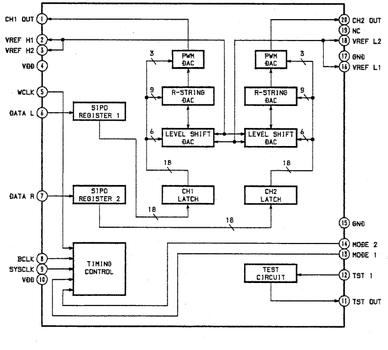

● IC1
CXA1081Q



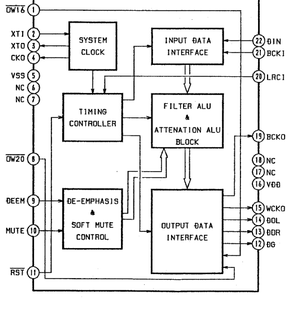

● IC601
LC7218M



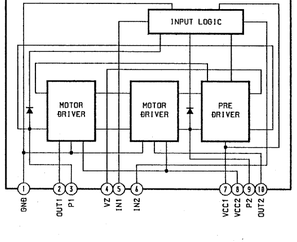

● IC306
LC78820



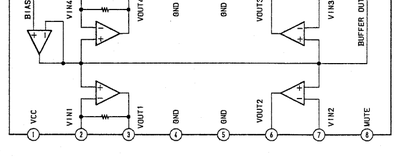

● IC301
SM5840CS




● IC503
LB1645N

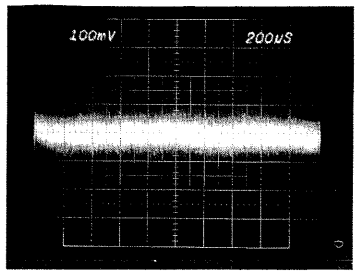



● IC4. 5
LA6533



## 5-10. WAVEFORMS

①

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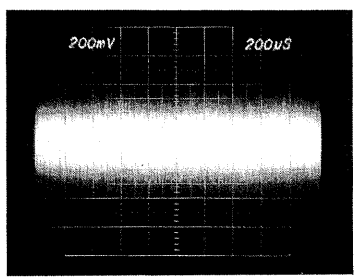
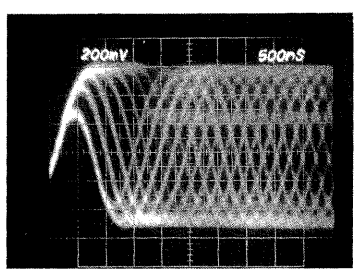
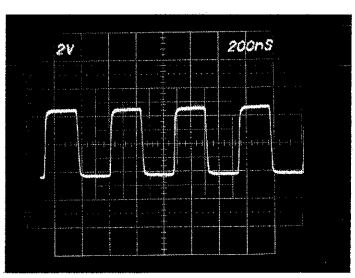



③




④

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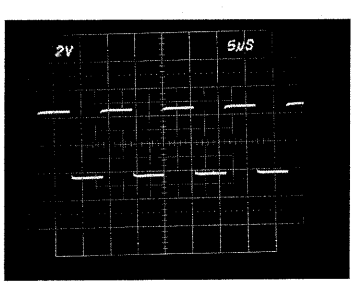
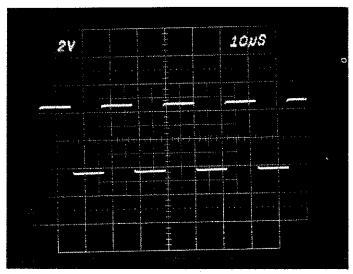



⑥

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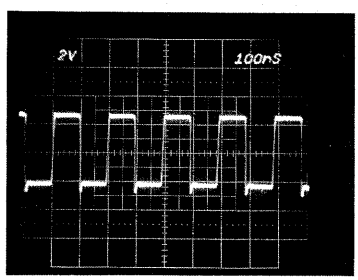


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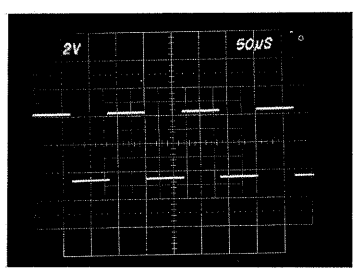


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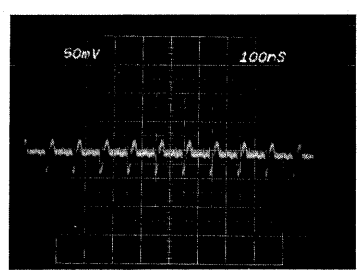


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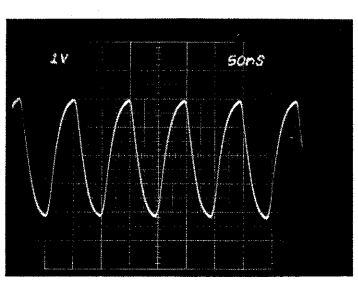


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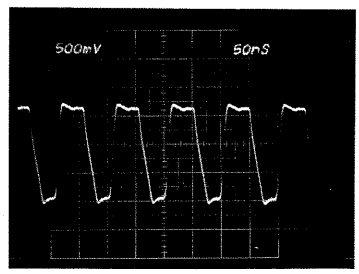


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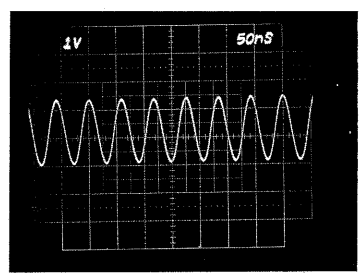


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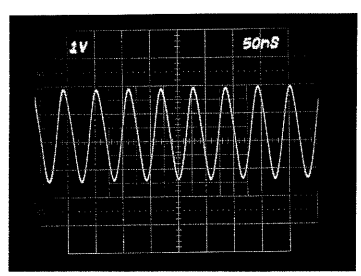


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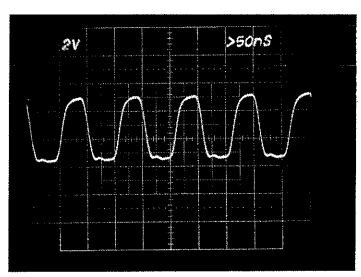


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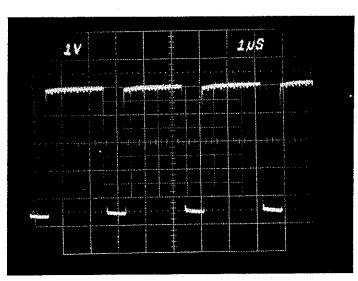
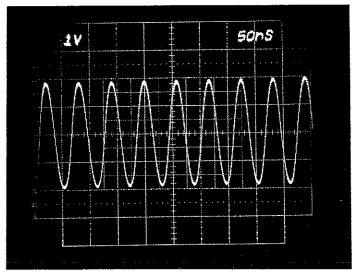
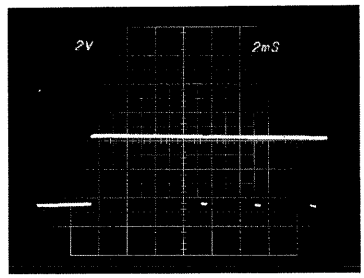
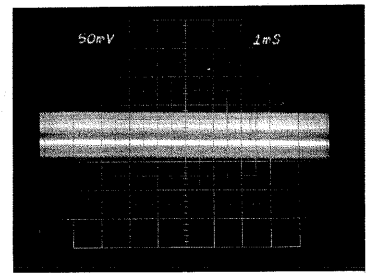
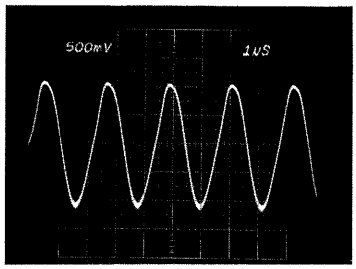
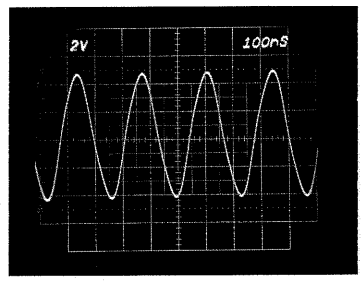
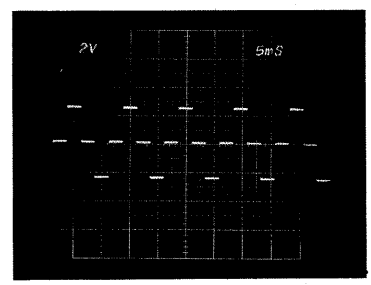
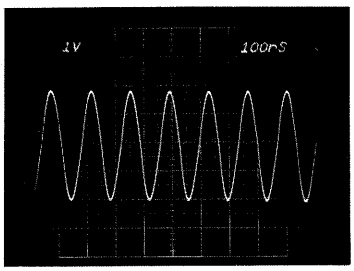
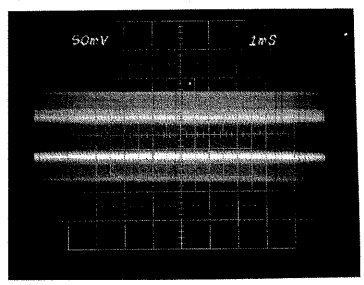
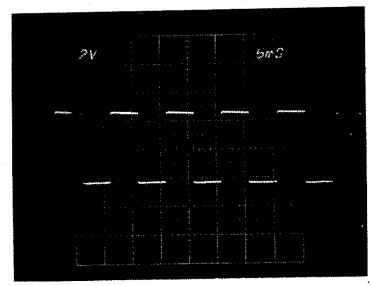


| | | |
|---|---|---|
| ⑯  1V 50nS | ⑲  2V 2mS | ㉒  50mV 1mS |
| ⑰  500mV 1uS | ⑳  2V 100nS | ㉓  2V 5mS |
| ⑱  1V 100nS | ㉑  50mV 1mS | ㉔  2V 5mS |

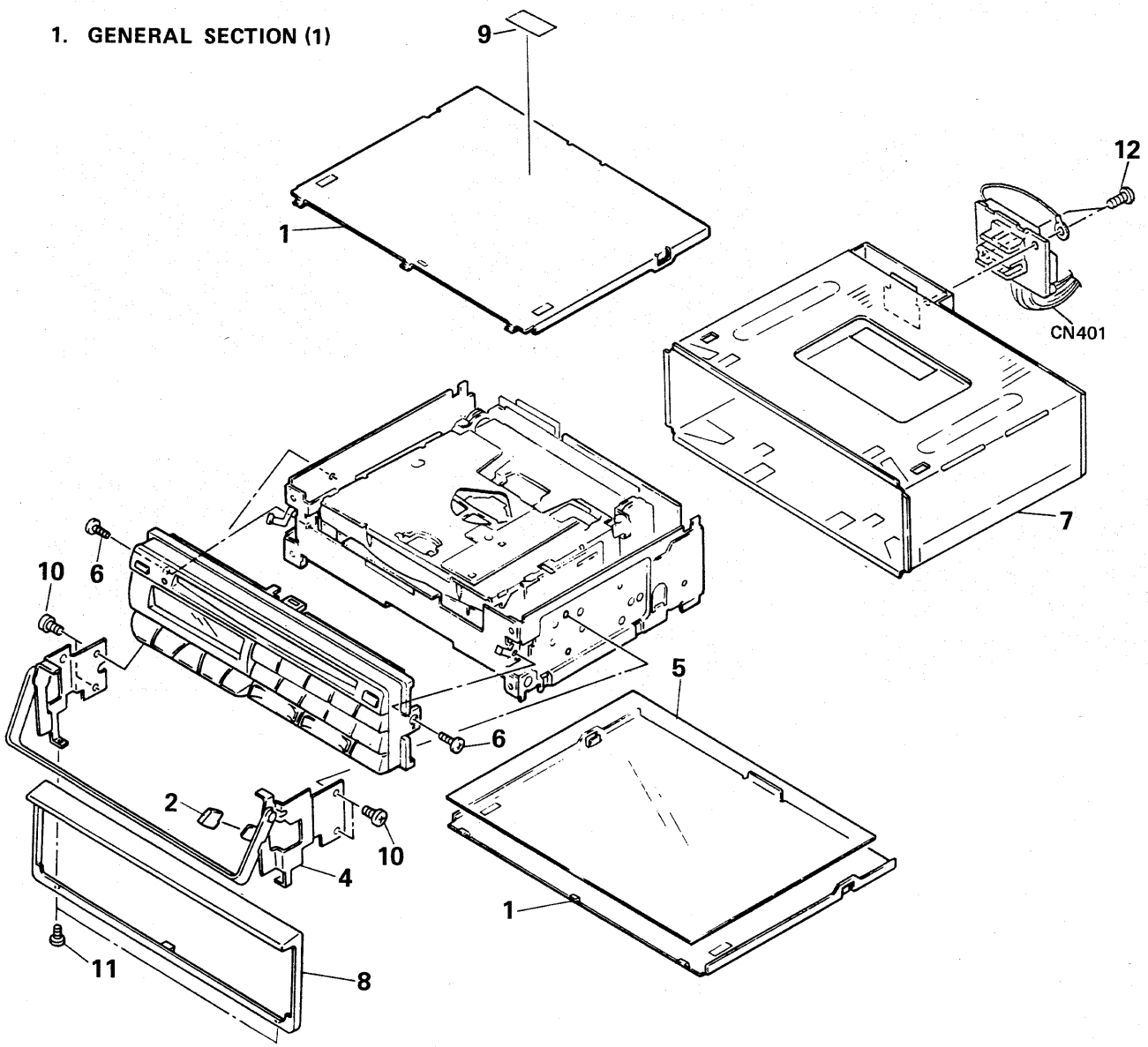
# SECTION 6
# EXPLODED VIEWS

**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

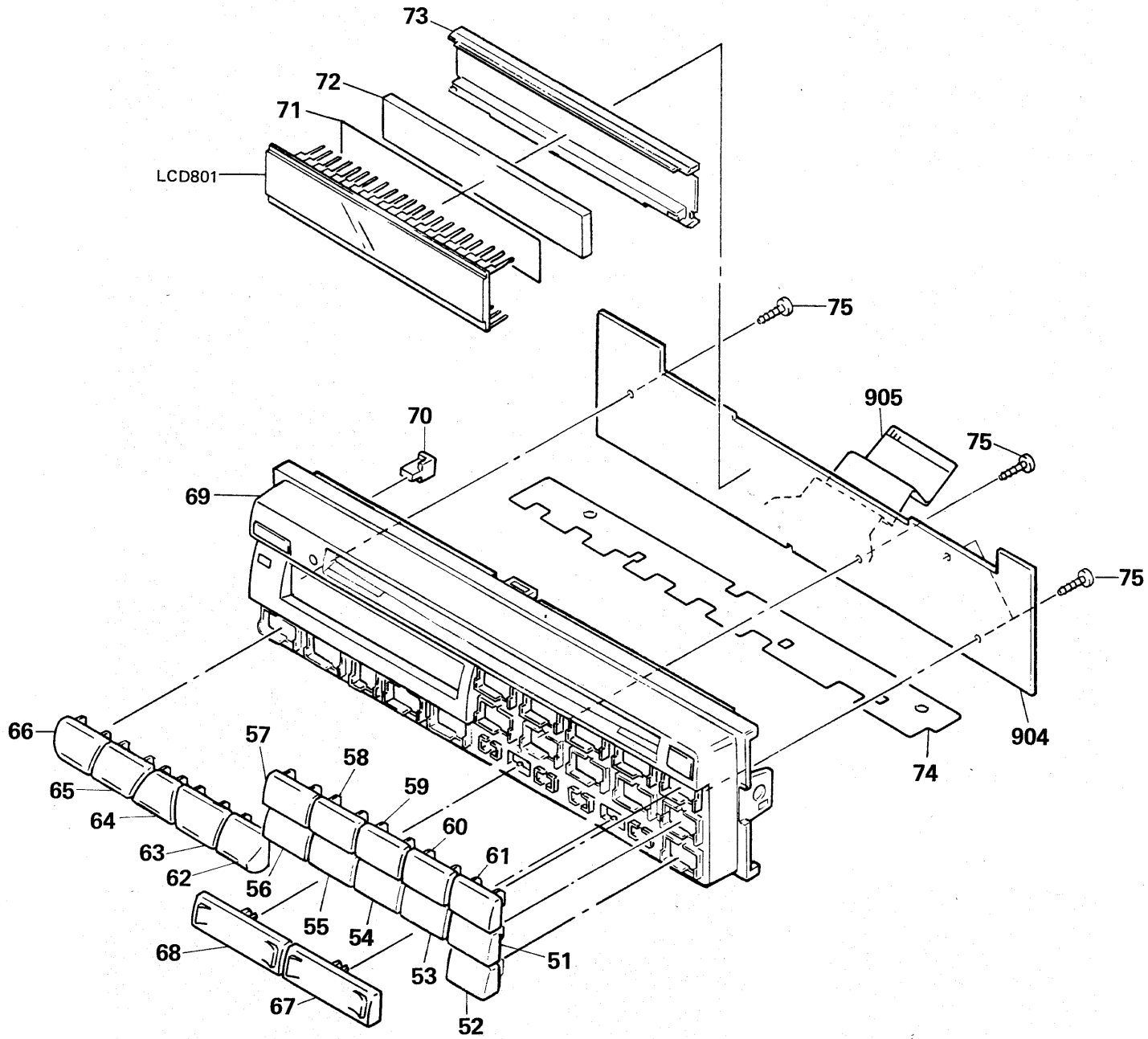
## 1. GENERAL SECTION (1)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | *3-355-249-01 | COVER | |
| 2 | 3-344-526-02 | BUTTON (RELEASE) | |
| 4 | X-3344-508-1 | HANDLE ASSY | |
| 5 | *3-355-254-01 | SHEET, INSULATING | |
| 6 | 7-621-770-67 | SCREW +PTT 2.6X6 (S) | |
| 7 | *X-3339-431-1 | BRACKET ASSY | |
| 8 | 3-362-061-01 | FRAME, ORNAMENTAL | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 9 | *3-355-279-01 | LABEL, MODEL NUMBER | |
| 10 | 3-344-561-01 | SCREW (M4X5) | |
| 11 | 7-627-553-38 | SCREW, PRECISION +P 2X3 | |
| 12 | 7-682-148-01 | SCREW +P 3X8 | |
| CN401 | 1-574-488-11 | CORD (WITH CONNECTOR) | |

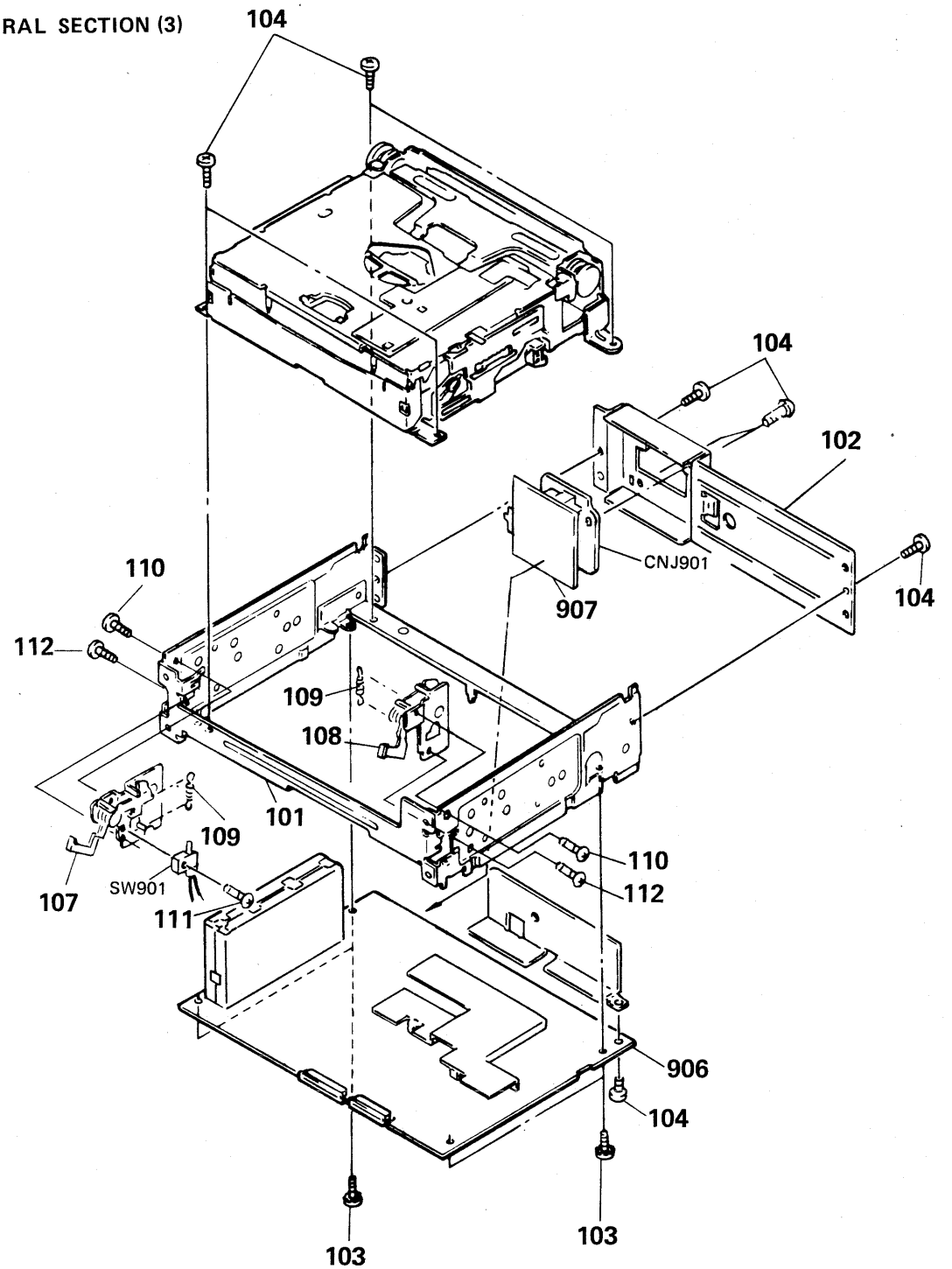
## 2. GENERAL SECTION (2)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 51 | 3-355-261-41 | BUTTON (N1,S)(MW/LW) | |
| 52 | 3-355-262-01 | BUTTON (N1,RD)(CD/►II) | |
| 53 | 3-355-260-51 | BUTTON (PRESET)(6/SHUF) | |
| 54 | 3-355-260-41 | BUTTON (PRESET)(5/REPEAT) | |
| 55 | 3-355-260-31 | BUTTON (PRESET)(4/INTRO) | |
| 56 | 3-355-261-21 | BUTTON (N1,S)(SENS) | |
| 57 | 3-355-261-31 | BUTTON (N1,S)(M.SCAN/A.MEM) | |
| 58 | 3-355-260-01 | BUTTON (PRESET)(1) | |
| 59 | 3-355-260-11 | BUTTON (PRESET)(2) | |
| 60 | 3-355-260-21 | BUTTON (PRESET)(3) | |
| 61 | 3-355-261-11 | BUTTON (N1,S)(FM) | |
| 62 | 3-355-259-01 | BUTTON (LOUD) | |
| 63 | 3-355-258-01 | BUTTON (LEVEL +) | |
| 64 | 3-355-257-01 | BUTTON (SELECT) | |

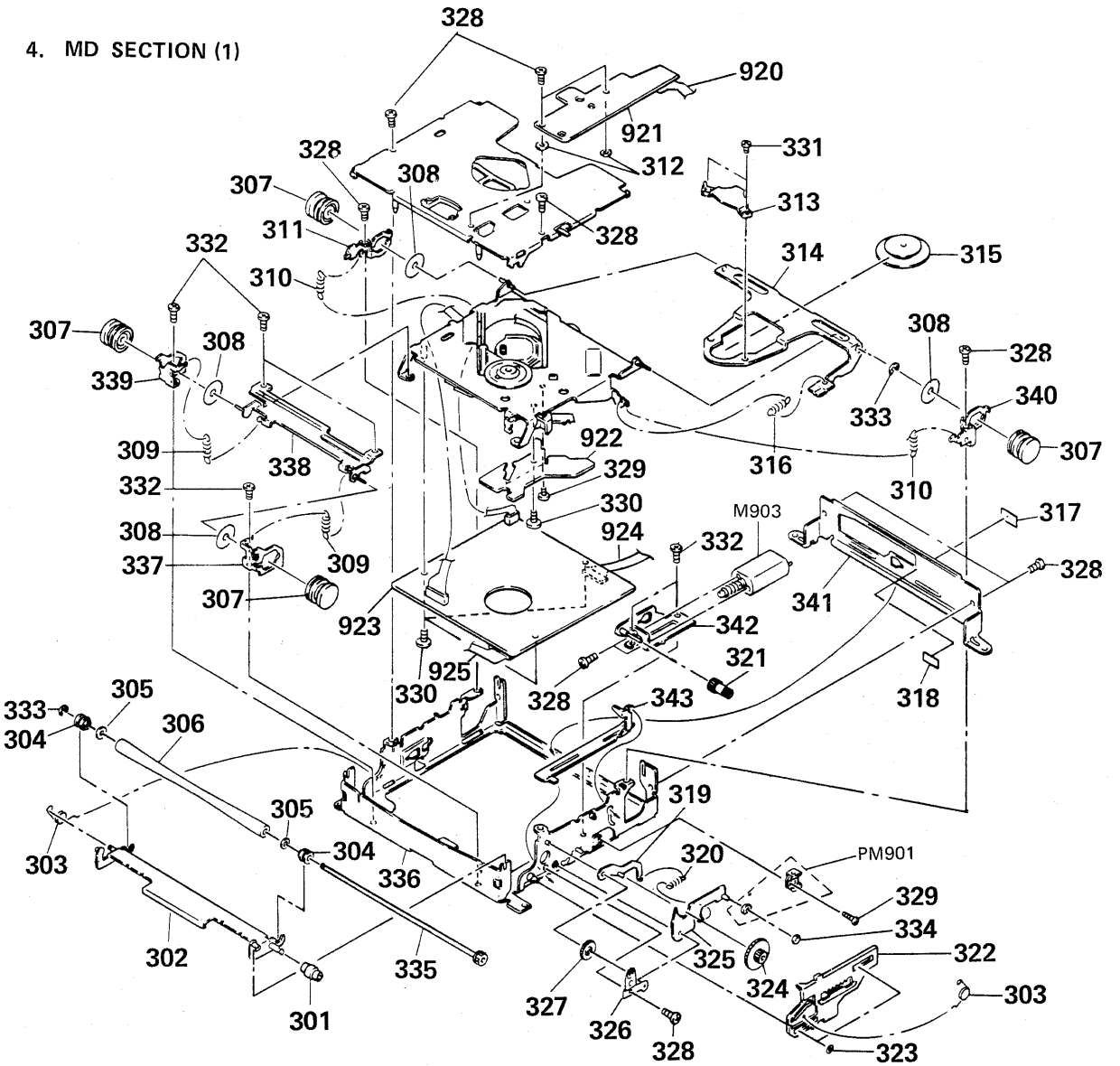
| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 65 | 3-355-256-01 | BUTTON (LEVEL -) | |
| 66 | 3-355-255-01 | BUTTON (MUTE) | |
| 67 | 3-355-263-11 | BUTTON (M,S2)(SEEK/AMS) | |
| 68 | 3-355-263-01 | BUTTON (M,S2)(MANU) | |
| 69 | X-3362-007-1 | PANEL ASSY, FRONT | |
| 70 | 3-355-266-01 | BUTTON (ILL) | |
| 71 | 3-345-373-01 | SHEET (DIFFUSION) | |
| 72 | *3-345-319-01 | PLATE, LIGHT GUIDE | |
| 73 | *3-345-335-01 | HOLDER (LCD) | |
| 74 | *3-355-272-01 | PLATE (BUTTON), SHIELD | |
| 75 | 7-685-103-19 | SCREW +PTP 2X5 TYPE2 NON-SLIT | |
| 904 | *A-3219-239-A | PC BOARD ASSY, DISPLAY | |
| 905 | 1-634-335-11 | PC BOARD, (D) FLEXIBLE | |
| LCD801 | 1-808-983-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

## 3. GENERAL SECTION (3)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 101 | *X-3339-432-1 | CHASSIS ASSY | |
| 102 | *3-355-250-01 | PANEL (S), BACK | |
| 103 | 3-344-501-11 | SCREW (+ PTT 3X8), GROUND POINT | |
| 104 | 7-685-863-01 | SCREW +PTT 2.6X8 (S) | |
| 107 | X-3344-502-1 | LOCK ASSY (LEFT) | |
| 108 | X-3344-503-1 | LOCK ASSY (R) | |
| 109 | 3-645-189-00 | SPRING, TENSION | |
| 110 | 7-627-553-38 | SCREW, PRECISION +P 2X3 | |
| 111 | 7-621-283-00 | SCREW + 2X5 | |
| 112 | 7-621-770-67 | SCREW +PTT 2.6X6 | |
| 906 | *A-3222-148-A | PC BOARD ASSY, MAIN | |
| 907 | *1-634-327-11 | PC BOARD, CONNECTOR | |
| SW901 | 1-570-771-11 | SWITCH | |

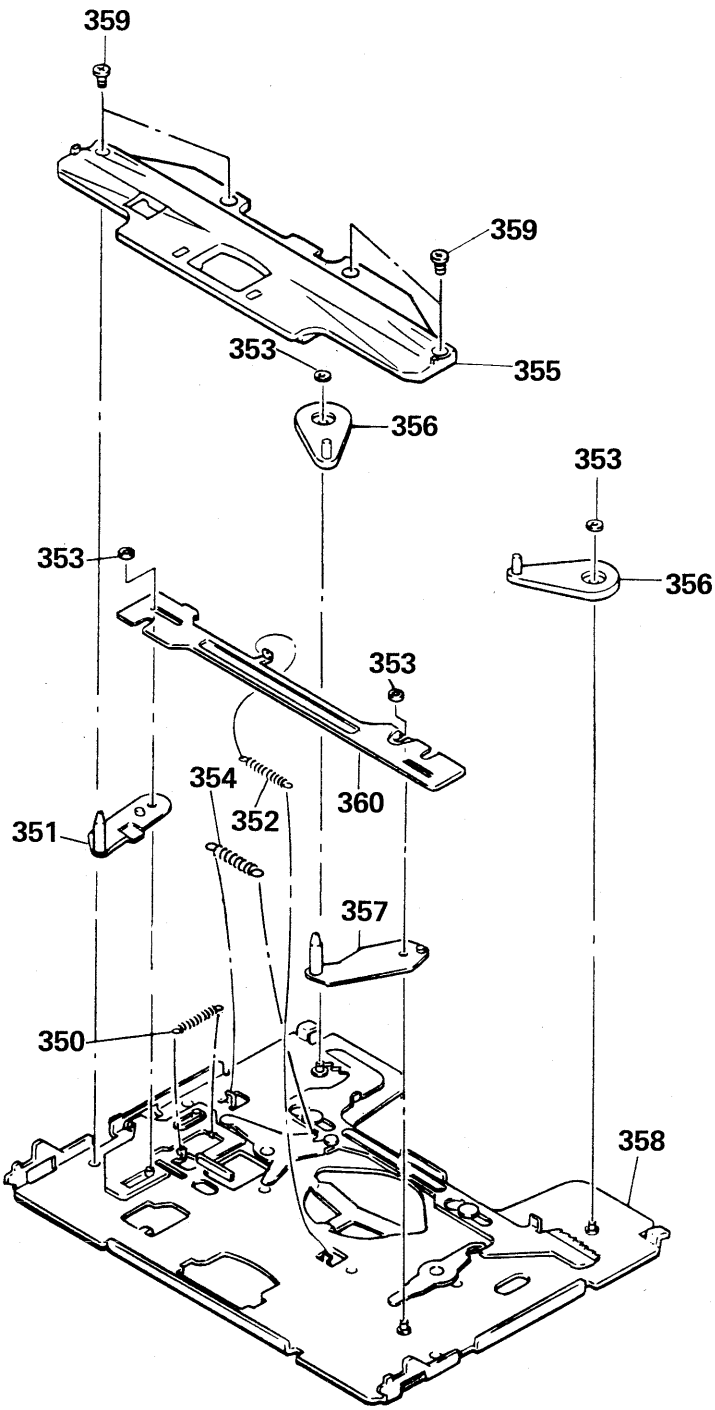
## 4. MD SECTION (1)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 301 | 3-351-495-01 | SLEEVE (2) | |
| 302 | *X-3351-422-1 | BRACKET (ROLLER) ASSY | |
| 303 | 3-351-437-01 | SPRING (ROLLER) | |
| 304 | 3-351-416-01 | BEARING (ROLLER SHAFT) | |
| 305 | 3-701-438-21 | WASHER | |
| 306 | 3-323-231-11 | ROLLER (LOWER) | |
| 307 | 3-330-929-11 | DAMPER (S), HYPER | |
| 308 | 3-323-263-01 | WASHER, TEFLON | |
| 309 | 3-351-444-01 | SPRING (FLOATING A, B), TENSION | |
| 310 | 3-351-445-01 | SPRING (FLOATING C, D), TENSION | |
| 311 | *3-351-411-01 | BRACKET (DAMPER D) | |
| 312 | 3-892-464-01 | SPACER, PC BOARD | |
| 313 | 3-342-625-01 | RETAINER (S2), THRUST | |
| 314 | *3-351-453-01 | ARM, CHUCKING | |
| 315 | 3-348-558-01 | PLATE (F), CHUCK | |
| 316 | 3-351-443-01 | SPRING (CHUCKING), TENSION | |
| 317 | *3-351-470-01 | SHEET, ADHESIVE | |
| 318 | *3-351-464-01 | SHEET (SM), INSULATING | |
| 319 | *X-3351-420-1 | LEVER (GEAR C) ASSY | |
| 320 | 3-351-463-01 | SPRING (SW LEVER 2), TENSION | |
| 321 | 3-351-498-01 | GEAR (B, WORM WHEEL) | |
| 322 | 3-351-456-01 | LEVER (L, E) | |
| 323 | 3-578-224-00 | WASHER | |
| 324 | 3-351-438-01 | GEAR, CAM | |
| 325 | *X-3351-421-1 | LEVER (SW) ASSY | |

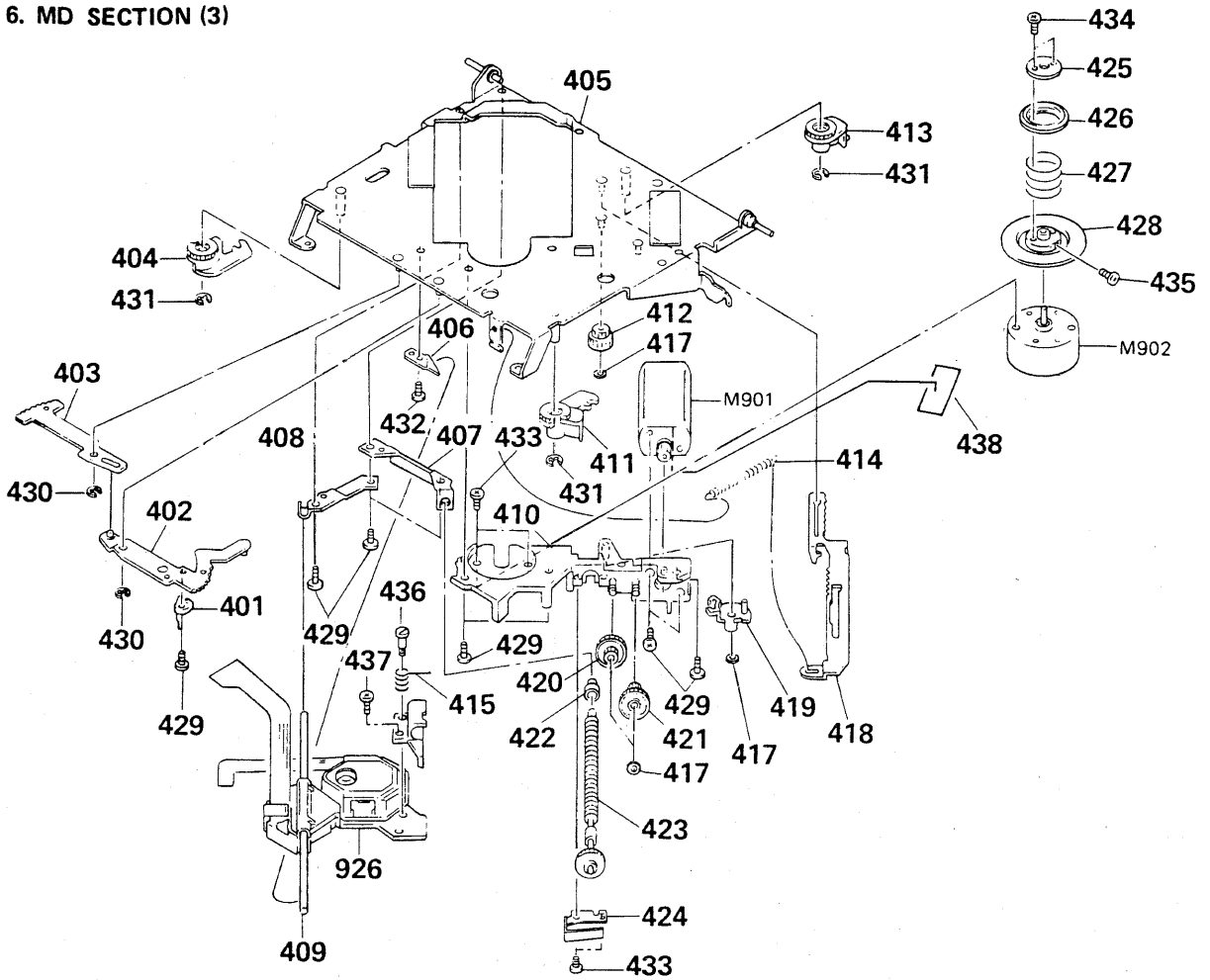
| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 326 | *3-351-482-01 | RETAINER (SIDE GEAR 2) | |
| 327 | 3-351-414-01 | GEAR (C) | |
| 328 | 7-627-553-37 | SCREW, PRECISION +P 2X3 | |
| 329 | 7-627-850-57 | SCREW, PRECISION +P 1.4X3.5 | |
| 330 | 7-621-772-08 | SCREW +B 2X3 | |
| 331 | 7-627-552-18 | SCREW, PRECISION +P 1.7X1.6 | |
| 332 | 7-627-553-28 | SCREW, PRECISION +P 2X2.5 | |
| 333 | 7-624-104-04 | STOP RING 2.0, TYPE -E | |
| 334 | 3-315-384-11 | WASHER, STOPPER | |
| 335 | X-3351-413-1 | ROLLER, SHAFT ASSY | |
| 336 | *X-3351-417-2 | CHASSIS (MAIN) ASSY | |
| 337 | *3-351-492-01 | BRACKET (DUMPER A) | |
| 338 | *X-3351-423-1 | BRACKET (F) ASSY | |
| 339 | *3-351-493-01 | BRACKET (DUMPER B) | |
| 340 | *3-351-494-01 | BRACKET (DUMPER C) | |
| 341 | *3-351-483-01 | BRACKET (REAR A) | |
| 342 | *X-3351-419-1 | BRACKET (M) ASSY | |
| 343 | *X-3351-418-1 | LEVER (CH RELEASE) ASSY | |
| 920 | 1-634-332-11 | PC BOARD, (A) FLEXIBLE | |
| 921 | *1-634-331-11 | PC BOARD, LED | |
| 922 | *1-634-330-11 | PC BOARD, SENSOR | |
| 923 | *A-3279-978-A | MOUNTED PCB, RF | |
| 924 | 1-634-333-11 | PC BOARD, (B) FLEXIBLE | |
| 925 | 1-634-334-11 | PC BOARD, (C) FLEXIBLE | |
| M903 | A-3249-535-A | GEAR (A) ASSY (LOADING) | |
| PM901 | 1-454-461-11 | SOLENOID, PLUNGER | |

## 5. MD SECTION (2)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 350 | 3-351-448-01 | SPRING (LOCK LEVER), TENSION | |
| 351 | *X-3351-426-1 | LEVER (D DETECTION R2) ASSY | |
| 352 | 3-351-447-02 | SPRING (JOINT F), TENSION | |
| 353 | 3-578-224-00 | WASHER | |
| 354 | 3-351-446-01 | SPRING (JOINT R), TENSION | |
| 355 | 3-351-496-01 | GUIDE (DISK 2) | |
| 356 | 3-351-432-01 | GEAR (DS) | |
| 357 | *X-3351-425-1 | LEVER (D DETECTION L2) ASSY | |
| 358 | *X-3351-424-1 | CHASSIS (T2) ASSY | |
| 359 | 7-627-553-37 | SCREW, PRECISION +P 2X3 | |
| 360 | *3-351-489-02 | JOINT (F2) | |

## 6. MD SECTION (3)




**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 401 | *2-643-407-01 | PLATE, SWITCH | |
| 402 | *X-2641-534-1 | LEVER (A) ASSY, LOCK | |
| 403 | *2-641-582-01 | LEVER (B), LOCK | |
| 404 | 2-643-414-02 | GEAR (B), LOCK | |
| 405 | *X-2641-536-2 | CHASSIS ASSY, MAIN | |
| 406 | 2-643-402-01 | RETAINER (B), SHAFT | |
| 407 | 2-643-403-01 | RETAINER, FEED SCREW | |
| 408 | 2-643-401-01 | RETAINER (A), SHAFT | |
| 409 | 2-640-632-01 | SHAFT, GUIDE | |
| 410 | *X-2641-535-2 | CHASSIS ASSY, SUB | |
| 411 | 2-643-413-02 | GEAR (A), LOCK | |
| 412 | 2-643-405-01 | WHEEL, WORM | |
| 413 | 2-641-599-02 | GEAR (C), GEAR | |
| 414 | 2-641-595-02 | SPRING, TENSION | |
| 415 | 2-643-420-01 | SPRING | |
| 416 | 2-643-412-02 | NUT, FEED | |
| 417 | 3-321-813-01 | WASHER, COTTER POLYETHYLENE | |
| 418 | *2-641-583-02 | LEVER (C), LOCK | |
| 419 | 2-643-406-02 | LEVER, SELECTION | |
| 420 | 2-643-410-01 | GEAR (E) | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 421 | 2-643-409-01 | GEAR (D) | |
| 422 | 2-643-408-02 | RETAINER, THRUST | |
| 423 | A-4910-184-B | SCREW ASSY, FEED | |
| 424 | 2-643-404-01 | SPRING | |
| 425 | 2-640-650-01 | STOPPER, RING | |
| 426 | 2-643-418-01 | RING, CENTER | |
| 427 | 2-640-617-02 | SPRING, COMPRESSION | |
| 428 | X-2641-541-1 | TURNTABLE ASSY | |
| 429 | 7-627-554-18 | SCREW, PRECISION +P 2X3.5 TYPE1 | |
| 430 | 7-624-104-04 | STOP RING 2.0, TYPE -E | |
| 431 | 7-624-106-04 | STOP RING 3.0, TYPE -E | |
| 432 | 7-627-553-17 | PRECISION SCREW +P 2X2 TYPE 3 | |
| 433 | 7-627-552-08 | SCREW, PRECISION +P 1.7X2.5 | |
| 434 | 7-627-451-17 | SCREW, PRECISION +K 1.4X2.5 | |
| 435 | 7-627-451-57 | SCREW, PRECISION +K 1.4X4 | |
| 436 | 2-643-423-01 | SCREW, SP | |
| 437 | 7-627-852-17 | +P 1.7X4 | |
| 438 | 3-351-469-01 | SHEET, MOTOR | |
| 926 | ⚠ 8-848-124-11 | DEVICE, OPTICAL KSS-168ARP | |
| M901 | A-4910-183-A | MOTOR ASSY, SL (SLED) | |
| M902 | 1-541-448-41 | MOTOR (SPINDLE) | |

# SECTION 7
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

## (MAIN SECTION)

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| 904 | *A-3219-239-A | PC BOARD ASSY, DISPLAY | | | |
| 906 | *A-3222-148-A | PC BOARD ASSY, MAIN | | | |
| BT601 | 1-528-225-31 | BATTERY, LITHIUM | | | |
| C101 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C102 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C103 | 1-110-360-91 | MYLAR | 0.0056MF | 5% | 50V |
| C104 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C105 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C106 | 1-130-477-00 | MYLAR | 0.0033MF | 5% | 50V |
| C107 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C108 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C109 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C110 | 1-136-162-00 | FILM | 0.056MF | 5% | 50V |
| C111 | 1-136-162-00 | FILM | 0.056MF | 5% | 50V |
| C112 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C113 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C114 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C116 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C117 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C118 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C119 | 1-124-257-00 | ELECT | 2.2MF | 20% | 50V |
| C120 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C151 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C201 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C202 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C203 | 1-110-360-91 | MYLAR | 0.0056MF | 5% | 50V |
| C204 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C205 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C206 | 1-130-477-00 | MYLAR | 0.0033MF | 5% | 50V |
| C207 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C208 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C209 | 1-130-476-00 | MYLAR | 0.0027MF | 5% | 50V |
| C210 | 1-136-162-00 | FILM | 0.056MF | 5% | 50V |
| C211 | 1-136-162-00 | FILM | 0.056MF | 5% | 50V |
| C212 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C213 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C214 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C215 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C216 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C217 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C218 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C219 | 1-124-257-00 | ELECT | 2.2MF | 20% | 50V |
| C220 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C251 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C304 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C305 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C306 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C307 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C308 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C309 | 1-163-119-00 | CERAMIC CHIP | 120PF | 5% | 50V |
| C310 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C311 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C401 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C402 | 1-124-584-00 | ELECT | 100MF | 20% | 10V |
| C403 | 1-126-157-11 | ELECT | 10MF | 20% | 16V |
| C404 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C405 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C406 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C407 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C408 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C409 | 1-124-360-00 | ELECT | 1000MF | 20% | 16V |
| C411 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C412 | 1-126-281-11 | ELECT | 4.7MF | 20% | 16V |
| C413 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C414 | 1-126-281-11 | ELECT | 4.7MF | 20% | 16V |
| C420 | 1-162-637-11 | CERAMIC CHIP | 0.47MF | | 16V |
| C421 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C501 | 1-126-247-11 | ELECT | 560MF | 20% | 6.3V |
| C502 | 1-126-927-11 | ELECT | 2200MF | 20% | 10V |
| C503 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C504 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C505 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C506 | 1-126-176-11 | ELECT | 220MF | 20% | 10V |
| C507 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C508 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C510 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C511 | 1-126-767-51 | ELECT | 1000MF | 20% | 16V |
| C512 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C513 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C514 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C601 | 1-124-257-00 | ELECT | 2.2MF | 20% | 50V |
| C602 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C603 | 1-124-257-00 | ELECT | 2.2MF | 20% | 50V |
| C604 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V |
| C605 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C606 | 1-163-157-00 | FILM | 0.022MF | 5% | 50V |
| C607 | 1-126-566-11 | ELECT | 3.3MF | 20% | 25V |
| C608 | 1-126-566-11 | ELECT | 3.3MF | 20% | 25V |
| C609 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| C610 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C611 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C612 | 1-124-589-11 | ELECT | 47MF | 20% | 16V |
| C613 | 1-126-281-11 | ELECT | 4.7MF | 20% | 16V |
| C614 | 1-126-560-61 | ELECT | 22MF | 20% | 10V |
| C615 | 1-130-477-00 | MYLAR | 0.0033MF | 5% | 50V |
| C616 | 1-163-157-00 | FILM | 0.022MF | 5% | 50V |
| C617 | 1-136-153-00 | FILM | 0.01MF | 5% | 50V |
| C618 | 1-130-474-00 | MYLAR | 0.0018MF | 5% | 50V |
| C619 | 1-126-281-11 | ELECT | 4.7MF | 20% | 16V |
| C620 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C621 | 1-124-464-11 | ELECT | 0.22MF | 20% | 50V |
| C622 | 1-124-438-00 | ELECT | 1MF | 20% | 50V |
| C623 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C624 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C625 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 25V |
| C626 | 1-126-154-11 | ELECT | 47MF | 20% | 6.3V |
| C627 | 1-136-155-00 | FILM | 0.015MF | 5% | 50V |
| C628 | 1-136-155-00 | FILM | 0.015MF | 5% | 50V |
| C629 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C630 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C631 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C663 | 1-124-463-00 | ELECT | 0.1MF | 20% | 50V |
| C801 | 1-163-201-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| C802 | 1-162-637-11 | CERAMIC CHIP | 0.47MF | | 16V |
| C901 | 1-163-063-00 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C902 | 1-163-063-00 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C903 | 1-163-063-00 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C908 | 1-163-181-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C913 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C914 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C915 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C916 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| CN401 | 1-574-488-11 | CORD (WITH CONNECTOR) | | | |
| CNJ1 | *1-569-582-11 | SOCKET, CONNECTOR 17P | | | |
| CNJ2 | *1-563-003-21 | SOCKET, CONNECTOR 20P | | | |
| CNJ3 | *1-569-630-11 | SOCKET, CONNECTOR 9P | | | |
| CNJ4 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | | | |
| CNJ5 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | | | |
| CNJ901 | 1-568-224-11 | PLUG, CONNECTOR 28P | | | |
| CNP1 | *1-506-984-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| CNP901 | *1-569-581-11 | PIN, CONNECTOR 17P | | | |
| D101 | 8-719-109-72 | DIODE RD3.9ES-B2 | | | |
| D102 | 8-719-109-72 | DIODE RD3.9ES-B2 | | | |
| D103 | 8-719-109-75 | DIODE RD4.3ES-B2 | | | |

| Ref.No. | Part No. | Description |
|---|---|---|
| D201 | 8-719-109-72 | DIODE RD3.9ES-B2 |
| D202 | 8-719-109-72 | DIODE RD3.9ES-B2 |
| D203 | 8-719-109-75 | DIODE RD4.3ES-B2 |
| D301 | 8-719-109-75 | DIODE RD4.3ES-B2 |
| D401 | 8-719-200-02 | DIODE 10E2 |
| D402 | 8-719-120-75 | DIODE RD6.2ES-L1 |
| D403 | 8-719-110-46 | DIODE RD16ES-B3 |
| D404 | 8-719-120-75 | DIODE RD6.2ES-L1 |
| D405 | 8-719-911-19 | DIODE 1SS119 |
| D406 | 8-719-110-13 | DIODE RD9.1ES-B2 |
| D407 | 8-719-110-09 | DIODE RD8.2ES-B3 |
| D408 | 8-719-911-19 | DIODE 1SS119 |
| D409 | 8-719-911-19 | DIODE 1SS119 |
| D410 | 8-719-110-14 | DIODE RD9.1ES-B3 |
| D411 | 8-719-110-13 | DIODE RD9.1ES-B2 |
| D412 | 8-719-120-75 | DIODE RD6.2ES-L1 |
| D413 | 8-719-104-34 | DIODE 1S2836 |
| D414 | 8-719-109-89 | DIODE RD5.6ES-B2 |
| D415 | 8-719-911-19 | DIODE 1SS119 |
| D416 | 8-719-400-18 | DIODE MA152WK |
| D501 | 8-719-911-19 | DIODE 1SS119 |
| D502 | 8-719-911-19 | DIODE 1SS119 |
| D503 | 8-719-911-19 | DIODE 1SS119 |
| D504 | 8-719-911-19 | DIODE 1SS119 |
| D505 | 8-719-400-18 | DIODE MA152WK |
| D506 | 8-719-110-13 | DIODE RD9.1ES-B2 |
| D507 | 8-719-911-19 | DIODE 1SS119 |
| D509 | 8-719-911-19 | DIODE 1SS119 |
| D510 | 8-719-911-19 | DIODE 1SS119 |
| D511 | 8-719-911-19 | DIODE 1SS119 |
| D601 | 8-719-800-76 | DIODE 1SS226 |
| D602 | 8-719-104-34 | DIODE 1S2836 |
| D603 | 8-719-911-19 | DIODE 1SS119 |
| D604 | 8-719-911-19 | DIODE 1SS119 |
| D801 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D802 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D803 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D804 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D805 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D806 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D807 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D808 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D809 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D810 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D811 | 8-719-975-27 | DIODE CL-55Y/PG-D |

| Ref.No. | Part No. | Description |
|---|---|---|
| D812 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D813 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D814 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D815 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D816 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D817 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D818 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D819 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D820 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D821 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D822 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D823 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D824 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D825 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D826 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D827 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D828 | 8-719-975-27 | DIODE CL-55Y/PG-D |
| D829 | 8-719-400-18 | DIODE MA152WK |
| D901 | 8-719-105-91 | RD5.6M-B2 |
| FE601 | 1-465-141-11 | TUNER UNIT |
| HIC601 | 1-808-515-11 | IC NMX3S900 |
| IC101 | 8-759-909-71 | IC BA4558F |
| IC102 | 8-759-909-71 | IC BA4558F |
| IC103 | 8-759-909-71 | IC BA4558F |
| IC104 | 8-759-909-71 | IC BA4558F |
| IC201 | 8-759-909-71 | IC BA4558F |
| IC202 | 8-759-909-71 | IC BA4558F |
| IC203 | 8-759-909-71 | IC BA4558F |
| IC204 | 8-759-909-71 | IC BA4558F |
| IC301 | 8-759-501-31 | IC SM5840CS |
| IC302 | 8-759-909-71 | IC BA4558F |
| IC303 | 8-759-932-64 | IC BU4052BF |
| IC304 | 8-759-820-15 | IC LC7537AN |
| IC305 | 8-759-631-00 | IC M5280FP |
| IC306 | 8-759-822-61 | IC LC78820M |
| IC401 | 8-759-982-07 | IC RC7808FA |
| IC402 | 8-759-982-31 | IC RC78M05FA |
| IC501 | 8-759-149-70 | IC UPD75516GF-107-3B9 |
| IC502 | 8-759-937-86 | IC BU4081BF |
| IC503 | 8-759-802-76 | IC LB1645N |
| IC601 | 8-759-821-43 | IC LC7218M |
| IC801 | 8-759-821-44 | IC LC7582 |
| JR500 | 1-216-295-00 | METAL GLAZE 0 5% 1/4W |
| JR502 | 1-216-295-00 | METAL GLAZE 0 5% 1/4W |
| L401 | 1-408-419-00 | INDUCTOR 68UH |
| L501 | 1-408-424-00 | INDUCTOR 180UH |
| L502 | 1-408-424-00 | INDUCTOR 180UH |
| L503 | 1-408-424-00 | INDUCTOR 180UH |
| L601 | 1-410-513-11 | INDUCTOR 22UH |
| PL801 | 1-518-524-11 | LAMP, PILOT |
| PL802 | 1-518-646-11 | LAMP, PILOT |
| PL803 | 1-518-524-11 | LAMP, PILOT |
| PL804 | 1-518-646-11 | LAMP, PILOT |
| Q101 | 8-729-920-21 | TRANSISTOR DTC314TKH04 |
| Q102 | 8-729-920-21 | TRANSISTOR DTC314TKH04 |
| Q201 | 8-729-920-21 | TRANSISTOR DTC314TKH04 |

| Ref.No. | Part No. | Description |
|---|---|---|
| Q202 | 8-729-920-21 | TRANSISTOR DTC314TKH04 |
| Q401 | 8-729-901-01 | TRANSISTOR DTC144EK |
| Q402 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q403 | 8-729-901-01 | TRANSISTOR DTC144EK |
| Q404 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q405 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q406 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q407 | 8-729-921-48 | TRANSISTOR 2SD1760F5-Q |
| Q408 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q409 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q410 | 8-729-921-48 | TRANSISTOR 2SD1760F5-Q |
| Q411 | 8-729-901-05 | TRANSISTOR DTA124EK |
| Q412 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q413 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q414 | 8-729-922-47 | TRANSISTOR 2SB1184-F5-R |
| Q415 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q416 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q417 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q418 | 8-729-921-48 | TRANSISTOR 2SD1760F5-Q |
| Q419 | 8-729-903-63 | TRANSISTOR 2SD1664-R |
| Q420 | 8-729-922-47 | TRANSISTOR 2SB1184-F5-R |
| Q421 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q422 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q423 | 8-729-903-63 | TRANSISTOR 2SD1664-R |
| Q424 | 8-729-901-05 | TRANSISTOR DTA124EK |
| Q425 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q428 | 8-729-922-47 | TRANSISTOR 2SB1184-F5-R |
| Q429 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q430 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q501 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q502 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q503 | 8-729-900-53 | TRANSISTOR DTC114EK |
| Q504 | 8-729-922-94 | TRANSISTOR DTC143TU |
| Q505 | 8-729-900-53 | TRANSISTOR DTC114EK |
| Q601 | 8-729-901-05 | TRANSISTOR DTA124EK |
| Q602 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q603 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q604 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q605 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q606 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q607 | 8-729-106-60 | TRANSISTOR 2SB1115A |
| Q608 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q609 | 8-729-901-78 | TRANSISTOR 2SC2412K-R |
| Q610 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q801 | 8-729-904-66 | TRANSISTOR DTD113EK |
| Q802 | 8-729-904-66 | TRANSISTOR DTD113EK |
| Q803 | 8-729-904-66 | TRANSISTOR DTD113EK |
| Q804 | 8-729-904-66 | TRANSISTOR DTD113EK |
| R101 | 1-216-286-00 | METAL GLAZE 4.7M 5% 1/8W |
| R102 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R103 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R104 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R105 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R106 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R107 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R108 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R109 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R110 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R111 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R112 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R113 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R114 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R115 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R116 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R117 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R118 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R119 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R120 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R121 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R122 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R123 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R124 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R125 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R201 | 1-216-286-00 | METAL GLAZE | 4.7M | 5% | 1/8W |
| R202 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W |
| R203 | 1-216-053-00 | METAL GLAZE | 1.5K | 5% | 1/10W |
| R204 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R205 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R206 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R207 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R208 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R209 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R210 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R211 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R212 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R213 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R214 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R215 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R216 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R217 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R218 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R219 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R220 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R221 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R222 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R223 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R224 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R225 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R304 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R305 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R306 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R307 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R308 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W |
| R309 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R401 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R402 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R403 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R404 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R405 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R406 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R407 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R408 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R409 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R410 | 1-216-035-00 | METAL GLAZE | 270 | 5% | 1/10W |
| R411 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W |
| R412 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R413 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W |
| R414 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W |
| R415 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W. |
| R416 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R417 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R418 | 1-216-075-00 | METAL GLAZE | 12K | 5% | 1/10W |
| R419 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R420 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R421 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R422 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R423 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R424 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R425 | 1-216-035-00 | METAL GLAZE | 270 | 5% | 1/10W |
| R426 | 1-216-035-00 | METAL GLAZE | 270 | 5% | 1/10W |
| R427 | 1-216-194-00 | METAL GLAZE | 680 | 5% | 1/8W |
| R428 | 1-216-051-00 | METAL GLAZE | 1.2K | 5% | 1/10W |
| R429 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R430 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R431 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R432 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R433 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R434 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R436 | 1-216-194-00 | METAL GLAZE | 680 | 5% | 1/8W |
| R438 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R439 | 1-216-200-00 | METAL GLAZE | 1.2K | 5% | 1/8W |
| R440 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R441 | 1-249-331-11 | CARBON MELF | 470 | 5% | 1/8W |
| R501 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R502 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R503 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R504 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R505 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R506 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R507 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R508 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R509 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R510 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R511 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R512 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R513 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R514 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R515 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R516 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R517 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R518 | 1-216-035-00 | METAL GLAZE | 270 | 5% | 1/10W |
| R519 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R520 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R521 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R522 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R523 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R524 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R525 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R526 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R528 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R529 | 1-216-027-00 | METAL GLAZE | 120 | 5% | 1/10W |
| R530 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R531 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R532 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R533 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R601 | 1-216-045-00 | METAL GLAZE | 680 | 5% | 1/10W |
| R602 | 1-216-043-00 | METAL GLAZE | 560 | 5% | 1/10W |
| R603 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R604 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R605 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R606 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R607 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R608 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R609 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R610 | 1-216-063-00 | METAL GLAZE | 3.9K | 5% | 1/10W |
| R611 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R612 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R613 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R614 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R615 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R616 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R617 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R618 | 1-216-080-00 | METAL GLAZE | 20K | 5% | 1/10W |
| R619 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R620 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R621 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R622 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R623 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R624 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R625 | 1-216-214-00 | METAL GLAZE | 4.7K | 5% | 1/8W |
| R626 | 1-216-079-00 | METAL GLAZE | 18K | 5% | 1/10W |
| R627 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R628 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R629 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R630 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| R680 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R801 | 1-216-239-00 | METAL GLAZE | 51K | 5% | 1/8W |
| R802 | 1-216-262-00 | METAL GLAZE | 470K | 5% | 1/8W |
| R803 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| R804 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R805 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R806 | 1-216-188-00 | METAL GLAZE | 390 | 5% | 1/8W |
| R807 | 1-216-184-00 | METAL GLAZE | 270 | 5% | 1/8W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R808 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R809 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R810 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R811 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R812 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R813 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R814 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R815 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R816 | 1-216-188-00 | METAL GLAZE | 390 | 5% | 1/8W |
| R817 | 1-216-184-00 | METAL GLAZE | 270 | 5% | 1/8W |
| R818 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R819 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R820 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R821 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R822 | 1-216-182-00 | METAL GLAZE | 220 | 5% | 1/8W |
| R823 | 1-216-178-00 | METAL GLAZE | 150 | 5% | 1/8W |
| R901 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| RV601 | 1-238-207-11 | RES, ADJ, METAL GLAZE 100K | | | |
| RV602 | 1-238-204-11 | RES, ADJ, METAL GLAZE 10K | | | |
| SW501 | 1-553-510-00 | SWITCH, SLIDE | | | |
| SW801 | 1-554-813-41 | SWITCH, KEY BOARD (MUTE) | | | |
| SW802 | 1-554-813-41 | SWITCH, KEY BOARD (-) | | | |
| SW803 | 1-554-813-41 | SWITCH, KEY BOARD (SELECT) | | | |
| SW804 | 1-554-813-41 | SWITCH, KEY BOARD (+) | | | |
| SW805 | 1-554-813-41 | SWITCH, KEY BOARD (LOUD) | | | |
| SW806 | 1-554-813-41 | SWITCH, KEY BOARD (SENS) | | | |
| SW807 | 1-571-938-21 | SWITCH, KEY BOARD (ILL) | | | |
| SW809 | 1-554-813-41 | SWITCH, KEY BOARD (MANU -) | | | |
| SW810 | 1-554-813-41 | SWITCH, KEY BOARD (MANU +) | | | |
| SW811 | 1-554-813-41 | SWITCH, KEY BOARD (SEEK -) | | | |
| SW812 | 1-554-813-41 | SWITCH, KEY BOARD (SEEK +) | | | |
| SW813 | 1-554-813-41 | SWITCH, KEY BOARD (3) | | | |
| SW814 | 1-554-813-41 | SWITCH, KEY BOARD (4) | | | |
| SW815 | 1-554-813-41 | SWITCH, KEY BOARD (5) | | | |
| SW816 | 1-554-813-41 | SWITCH, KEY BOARD (6) | | | |
| SW817 | 1-554-813-41 | SWITCH, KEY BOARD (⏏) | | | |
| SW818 | 1-554-813-41 | SWITCH, KEY BOARD (M.SCAN) | | | |
| SW819 | 1-554-813-41 | SWITCH, KEY BOARD (1) | | | |
| SW820 | 1-554-813-41 | SWITCH, KEY BOARD (2) | | | |
| SW821 | 1-554-813-41 | SWITCH, KEY BOARD (OFF) | | | |
| SW822 | 1-554-813-41 | SWITCH, KEY BOARD (FM) | | | |
| SW823 | 1-554-813-41 | SWITCH, KEY BOARD (AM) | | | |
| SW824 | 1-554-813-41 | SWITCH, KEY BOARD (CD) | | | |
| SW825 | 1-571-938-21 | SWITCH, KEY BOARD (RESET) | | | |
| SW901 | 1-570-771-11 | SWITCH | | | |

| Ref.No. | Part No. | Description |
|---|---|---|
| TH501 | 1-808-656-11 | THERMISTOR |
| X301 | 1-567-820-11 | VIBRATOR, CRYSTAL (16MHz) |
| X501 | 1-567-775-11 | VIBRATOR, CERAMIC (4.19MHz) |
| X601 | 1-567-250-11 | OSCILLATOR, CERAMIC (4.56MHz) |
| X602 | 1-567-848-11 | VIBRATOR, CRYSTAL (7.2MHz) |

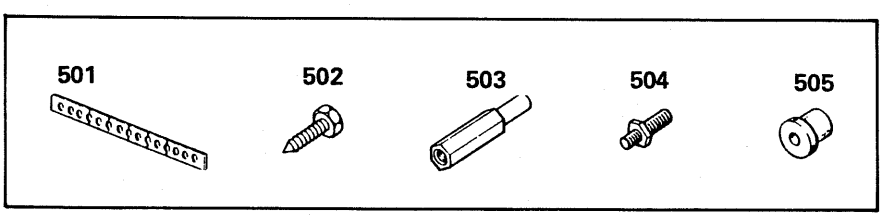
ACCESSORY & PACKING MATERIAL

| | |
|---|---|
| 3-336-617-01 | BAG, PROTECTION |
| 3-355-210-01 | COVER (2), PIN JACK |
| *3-362-210-01 | INDIVIDUAL CARTON |
| *3-355-286-01 | CUSHION (UPPER) |
| *3-355-287-01 | CUSHION (LOWER) |
| 3-752-144-11 | MANUAL, INSTRUCTION (EHGLISH, FRENCH, DUTCH, SPANISH, CHINESE) |
| 3-752-145-11 | MANUAL, INSTRUCTION (EHGLISH, FRENCH, DUTCH, SPANISH, CHINESE) |

MOUNTING HARDWARE

| No. | Part No. | Descrition |
|---|---|---|
| 501 | 3-310-655-01 | SUPPORT (ND), FITTING |
| 502 | 3-302-126-01 | SCREW TAPPING (DIA 5X20) |
| 503 | 3-323-210-01 | ADJUSTOR, STUD BOLT |
| 504 | 3-323-209-01 | BOLT (4-5), STUD |
| 505 | 3-349-410-01 | BUSHING |

## SUPPLIED MOUNTING HARDWARE



## (MD SECTION)

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| 905 | 1-634-335-11 | PC BOARD, (D) FLEXIBLE | | |
| 907 | *1-634-327-11 | PC BOARD, CONNECTOR | | |
| 920 | 1-634-332-11 | PC BOARD, (A) FLEXIBLE | | |
| 921 | *1-634-331-11 | PC BOARD, LED | | |
| 922 | *1-634-330-11 | PC BOARD, SENSOR | | |
| 923 | *A-3279-978-A | MOUNTED PCB, RF | | |
| 924 | 1-634-333-11 | PC BOARD, (B) FLEXIBLE | | |
| 925 | 1-634-334-11 | PC BOARD, (C) FLEXIBLE | | |
| 926 | ⚠8-848-124-11 | DEVICE, OPTICAL KSS-168ARP | | |
| C1 | 1-135-166-21 | TANTAL. CHIP 47MF | 20% | 6.3V |
| C2 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C3 | 1-126-599-11 | ELECT 330MF | 20% | 6.3V |
| C4 | 1-163-989-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C5 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C6 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C7 | 1-163-078-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C8 | 1-163-059-00 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C9 | 1-126-593-11 | ELECT CHIP 0.47MF | 20% | 50V |
| C10 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C11 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C12 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C13 | 1-126-593-11 | ELECT CHIP 0.47MF | 20% | 50V |
| C14 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C15 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C16 | 1-126-590-11 | ELECT CHIP 22MF | 20% | 4V |
| C17 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | 50V |
| C18 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C19 | 1-163-989-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C20 | 1-126-592-11 | ELECT CHIP 4.7MF | 20% | 16V |
| C21 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C22 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C23 | 1-126-591-11 | ELECT CHIP 10MF | 20% | 6.3V |
| C24 | 1-126-594-11 | ELECT CHIP 1MF | 20% | 50V |
| C25 | 1-126-594-11 | ELECT CHIP 1MF | 20% | 50V |
| C26 | 1-163-077-00 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C27 | 1-163-077-00 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C29 | 1-126-590-11 | ELECT CHIP 22MF | 20% | 4V |
| C30 | 1-126-590-11 | ELECT CHIP 22MF | 20% | 4V |
| C31 | 1-126-590-11 | ELECT CHIP 22MF | 20% | 4V |
| C34 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V |
| C35 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | 50V |
| C36 | 1-126-592-11 | ELECT CHIP 4.7MF | 20% | 16V |
| C37 | 1-126-591-11 | ELECT CHIP 10MF | 20% | 6.3V |
| C38 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V |
| C39 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V |
| C40 | 1-126-176-11 | ELECT 220MF | 20% | 10V |
| C99 | 1-102-074-00 | CERAMIC 0.001MF | 10% | 50V |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| CNJ11 | 1-568-141-11 | HOUSING, CONNECTOR 5P | | | |
| CNJ12 | 1-568-142-11 | HOUSING, CONNECTOR 13P | | | |
| CNJ13 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | | | |
| CNJ14 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | | | |
| CNP10 | *1-506-990-11 | PIN, CONNECTOR (PC BOARD) 8P | | | |
| D80 | 8-719-404-19 | DIODE LN1251C | | | |
| D81 | 8-719-404-19 | DIODE LN1251C | | | |
| D82 | 8-719-404-19 | DIODE LN1251C | | | |
| IC1 | 8-752-033-14 | IC CXA1081Q | | | |
| IC2 | 8-752-037-50 | IC CXA1082BQ | | | |
| IC3 | 8-752-334-28 | IC CXD1167Q | | | |
| IC4 | 8-759-821-76 | IC LA6533 | | | |
| IC5 | 8-759-821-76 | IC LA6533 | | | |
| JR1 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR2 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR3 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR4 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR5 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR6 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR7 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR8 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR9 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR10 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR11 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR12 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR13 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR14 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR15 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR16 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR17 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR18 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR19 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR20 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR21 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR22 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR23 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR24 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR25 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR26 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR27 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR28 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR29 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR30 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR31 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR32 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR33 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| JR34 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR51 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR52 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR53 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR54 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR55 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR56 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR57 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR58 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR59 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR60 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR61 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR62 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR63 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR64 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR65 | 1-216-295-00 | METAL GLAZE | 0 | 5% | 1/10W |
| JR90 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR91 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| JR92 | 1-216-296-00 | METAL GLAZE | 0 | 5% | 1/8W |
| L1 | 1-410-204-31 | INDUCTOR CHIP | 10UH | | |
| L2 | 1-410-198-51 | INDUCTOR CHIP | 3.3UH | | |
| LCD801 | 1-808-983-11 | DISPLAY PANEL, LIQUID CRYSTAL | | | |
| M901 | A-4910-183-A | MOTOR ASSY, SL (SLED) | | | |
| M902 | 1-541-448-41 | MOTOR (SPINDLE) | | | |
| M903 | A-3249-535-A | GEAR (A) ASSY (LOADING) | | | |
| PM901 | 1-454-461-11 | SOLENOID, PLUNGER | | | |
| Q1 | 8-729-900-53 | TRANSISTOR DTC114EK | | | |
| Q2 | 8-729-900-53 | TRANSISTOR DTC114EK | | | |
| Q3 | 8-729-900-53 | TRANSISTOR DTC114EK | | | |
| Q4 | 8-729-141-48 | TRANSISTOR 2SB624-BV345 | | | |
| Q90 | 8-729-402-08 | TRANSISTOR PN147-LF | | | |
| Q91 | 8-729-402-08 | TRANSISTOR PN147-LF | | | |
| Q92 | 8-729-402-08 | TRANSISTOR PN147-LF | | | |
| R1 | 1-216-150-00 | METAL GLAZE | 10 | 5% | 1/8W |
| R2 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R3 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R4 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R5 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R6 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R7 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R8 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R9 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R10 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R11 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R12 | 1-216-103-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R13 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R14 | 1-216-105-00 | METAL GLAZE | 220K | 5% | 1/10W |
| R15 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R16 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R17 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R18 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R19 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R20 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R21 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R22 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R23 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R24 | 1-216-103-00 | METAL GLAZE | 180K | 5% | 1/10W |
| R25 | 1-216-210-00 | METAL GLAZE | 3.3K | 5% | 1/8W |
| R26 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R27 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R28 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R29 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R30 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R31 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R32 | 1-216-076-00 | METAL GLAZE | 13K | 5% | 1/10W |
| R33 | 1-216-076-00 | METAL GLAZE | 13K | 5% | 1/10W |
| R34 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R35 | 1-216-114-00 | METAL GLAZE | 510K | 5% | 1/10W |
| R36 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R37 | 1-216-103-00 | METAL GLAZE | 180K | 5% | 1/10W |
| R38 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R39 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R40 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R41 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R42 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R43 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| R44 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| R45 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| R46 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R47 | 1-216-229-00 | METAL GLAZE | 20K | 5% | 1/8W |
| R48 | 1-216-220-00 | METAL GLAZE | 8.2K | 5% | 1/8W |
| R49 | 1-216-246-00 | METAL GLAZE | 100K | 5% | 1/8W |
| R50 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R51 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R52 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R53 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R54 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R55 | 1-216-024-00 | METAL GLAZE | 91 | 5% | 1/10W |
| RV1 | 1-238-205-11 | RES, ADJ, METAL GLAZE 22K | | | |
| RV2 | 1-238-206-11 | RES, ADJ, METAL GLAZE 47K | | | |
| RV3 | 1-238-665-11 | RES, ADJ, CERMET 22K | | | |
| RV4 | 1-238-665-11 | RES, ADJ, CERMET 22K | | | |
| RV5 | 1-238-662-11 | RES, ADJ, CERMET 2.2K | | | |
| SW80 | 1-571-754-11 | SWITCH, PUSH (1 KEY) | | | |
| SW81 | 1-571-754-11 | SWITCH, PUSH (1 KEY) | | | |
| SW90 | 1-554-938-11 | SWITCH, LEAF | | | |
| SW91 | 1-554-938-11 | SWITCH, LEAF | | | |
| TH1 | 1-808-656-11 | THERMISTOR | | | |
| TH2 | 1-808-656-11 | THERMISTOR | | | |

9-955-995-11

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# CDX-7561

SONY®
# SERVICE MANUAL

*AEP Model*
*UK Model*

## SUPPLEMENT-1

File this supplement with the service manual.

**Subject :** Change notice for
Main, Display and Connector Boards.

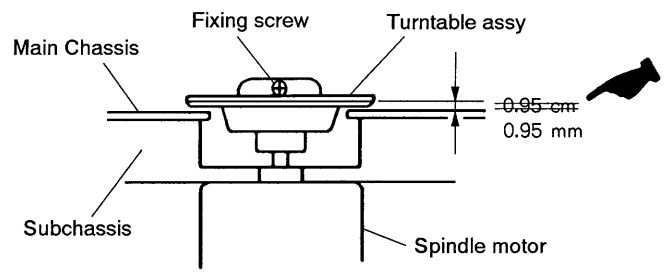

**1. DIAGRAMS**
1-1. PRINTED WIRING BOARDS
1-2. SCHEMATIC DIAGRAMS

**2. ELECTRICAL PARTS LIST**


### • CORRECTION

Please correct your service manual (9-955-995-11).

☞ **: Indicates corrected portion.**

| Page | |
|---|---|
| 6 | **Turntable Height Adjustment**<br>Loosen the fixing screws and adjust the height to the specification illustrated.<br>  |

## • Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D101 | F-8 | D813 | B-20 | Q403 | D-13 |
| D102 | F-8 | D814 | B-21 | Q404 | D-13 |
| D103 | H-8 | D815 | B-22 | Q405 | E-19 |
| D201 | E-8 | D816 | B-23 | Q406 | E-19 |
| D202 | E-8 | D817 | B-20 | Q407 | E-19 |
| D203 | F-8 | D818 | B-20 | Q408 | J-9 |
| D301 | E-7 | D819 | B-21 | Q409 | K-10 |
| D401 | E-13 | D820 | B-22 | Q410 | E-19 |
| D402 | F-10 | D821 | B-23 | Q411 | E-16 |
| D403 | E-13 | D822 | C-19 | Q412 | E-12 |
| D404 | E-13 | D823 | C-20 | Q413 | E-12 |
| D405 | D-9 | D824 | C-21 | Q414 | E-17 |
| D406 | D-9 | D825 | C-21 | Q415 | G-17 |
| D407 | E-8 | D826 | C-22 | Q416 | E-18 |
| D410 | E-18 | D827 | C-23 | Q417 | D-10 |
| D411 | E-8 | D828 | C-23 | Q418 | E-18 |
| D412 | F-10 | D829 | B-6 | Q419 | E-8 |
| D413 | F-10 | D901 | D-1 | Q420 | E-22 |
| D414 | E-8 | | | Q421 | E-6 |
| D415 | H-10 | IC101 | I-5 | Q422 | F-10 |
| D416 | E-5 | IC102 | G-8 | Q423 | E-20 |
| D501 | J-8 | IC103 | G-7 | Q424 | E-8 |
| D502 | J-8 | IC104 | G-9 | Q425 | F-8 |
| D503 | J-8 | IC201 | H-5 | Q428 | E-23 |
| D504 | J-8 | IC202 | F-8 | Q429 | E-5 |
| D505 | K-7 | IC203 | F-7 | Q430 | F-5 |
| D506 | F-4 | IC204 | F-9 | Q501 | J-19 |
| D507 | F-5 | IC301 | K-5 | Q502 | K-23 |
| D509 | J-8 | IC302 | G-9 | Q503 | K-7 |
| D510 | E-5 | IC303 | F-6 | Q504 | F-4 |
| D511 | E-5 | IC304 | G-21 | Q505 | J-21 |
| D601 | I-13 | IC305 | E-6 | Q601 | F-13 |
| D602 | I-11 | IC306 | J-5 | Q602 | F-13 |
| D603 | I-11 | IC401 | D-6 | Q603 | G-13 |
| D604 | I-11 | IC402 | D-5 | Q604 | G-13 |
| D801 | A-15 | IC501 | I-9 | Q605 | G-13 |
| D802 | A-16 | IC502 | J-21 | Q606 | G-12 |
| D803 | A-17 | IC503 | G-4 | Q607 | H-12 |
| D804 | C-15 | IC601 | J-11 | Q608 | H-13 |
| D805 | C-16 | IC801 | B-11 | Q609 | J-13 |
| D806 | C-17 | | | Q610 | H-13 |
| D807 | C-18 | Q101 | F-9 | Q801 | B-10 |
| D808 | C-19 | Q102 | F-9 | Q802 | B-10 |
| D809 | A-22 | Q201 | F-9 | Q803 | B-6 |
| D810 | A-22 | Q202 | F-9 | Q804 | B-6 |
| D811 | A-23 | Q401 | F-10 | | |
| D812 | B-20 | Q402 | G-10 | | |

# 1. DIAGRAMS

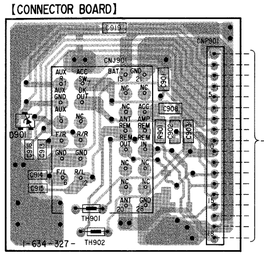
## 1-1. PRINTED WIRING BOARDS (MAIN Section)

• Refer to page 3 for Semiconductor Location.

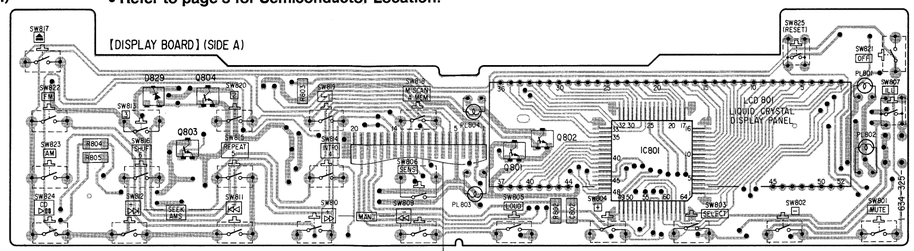
**Note:**

- ○—— : Parts extracted from the component side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

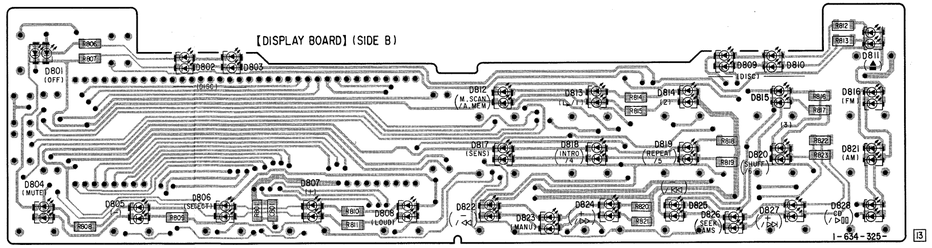
【CONNECTOR BOARD】



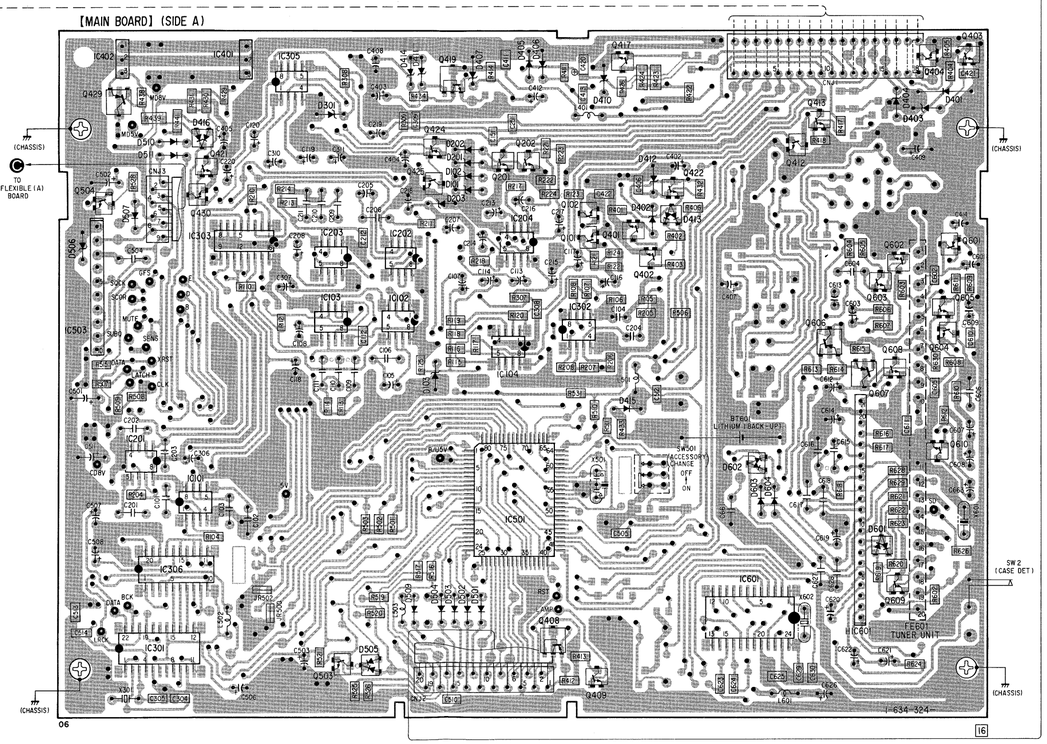

【DISPLAY BOARD】(SIDE A)



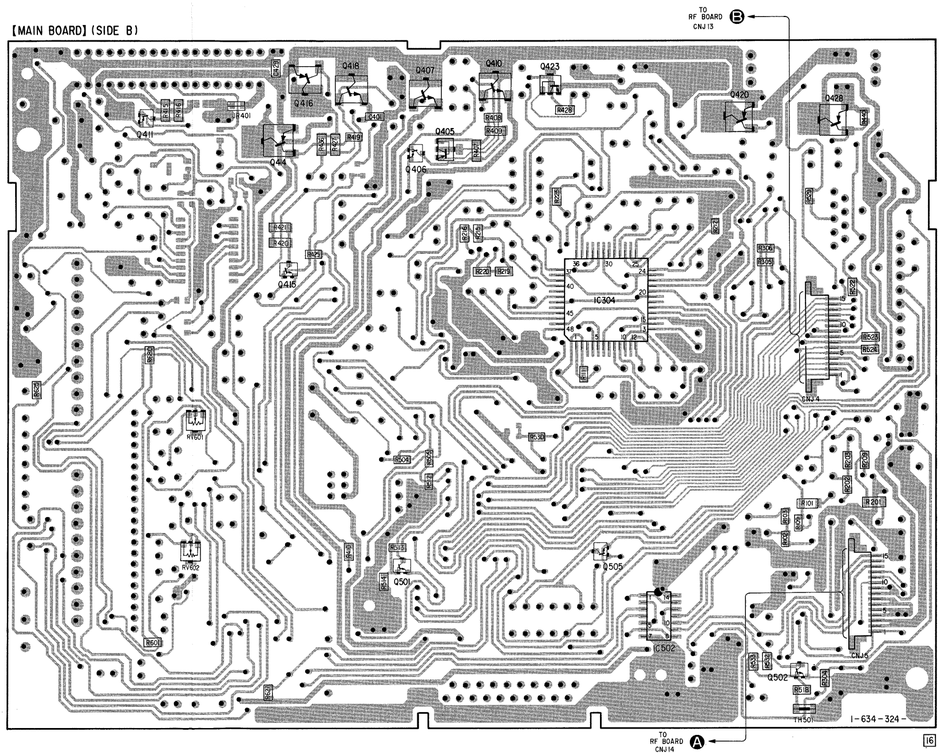

【DISPLAY BOARD】(SIDE B)




【MAIN BOARD】(SIDE A)

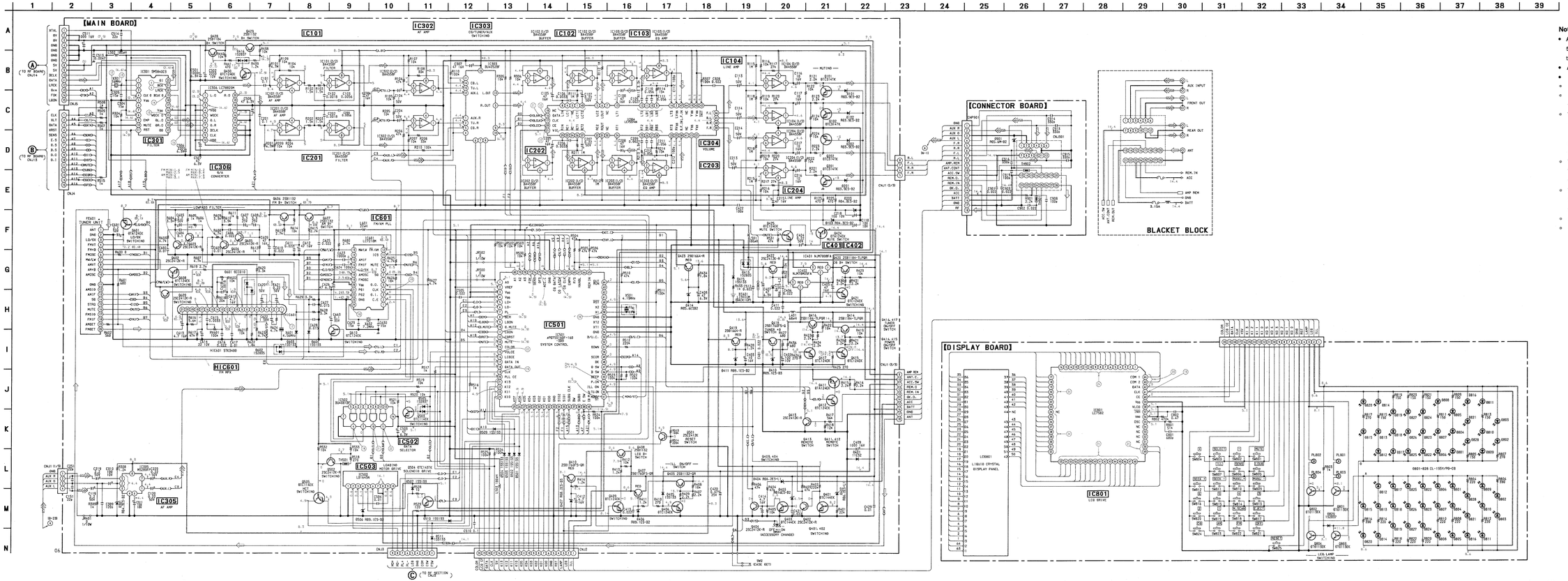



【MAIN BOARD】(SIDE B)



## 1-2. SCHEMATIC DIAGRAM (MAIN Section)

• IC Block Diagram and Waveform Informations.
Refer to page 30 and page 33 in original service manual (9-955-995-11).




**Note: (Main SECTION)**

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼w or less unless otherwise specified.
- △ : internal component.
- ▬▬ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : CD PLAY
  < > : AM
- Voltages are taken with a VOM. (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇛ : CD
  ⇛ : AUX

# 2. ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the part specified in the diagrams or the components used on the set.
- -XX,-X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case,u : μ ,for example :
  uA... : μA..., uPA... : μPA...,
  uPB... : μPB..., uPC... : μPC...,
  uPD... : μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

When indicating parts by reference number, please include the board name.

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-634-327-11 | CONNECTOR BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C901 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | 10% | 50V |
| C902 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | 10% | 50V |
| C903 | 1-163-063-00 | CERAMIC CHIP | 0.022uF | 10% | 50V |
| C908 | 1-163-181-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C913 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C914 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C915 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C916 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V |
| C919 | 1-163-181-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | < JACK > | | | |
| CNJ901 | 1-568-224-11 | PLUG, CONNECTOR 28P | | | |
| | | < CONNECTOR > | | | |
| * CNP901 | 1-691-112-21 | PIN, CONNECTOR 18P | | | |
| | | < DIODE > | | | |
| D901 | 8-719-105-91 | DIODE RD5.6M-B2 | | | |
| | | < RESISTOR > | | | |
| R901 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| | | < THERMISTOR > | | | |
| TH901 | 1-809-148-11 | THERMISTOR, POSITIVE | | | |
| TH902 | 1-809-148-11 | THERMISTOR, POSITIVE | | | |

**********

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| * | A-3219-239-A | DISPLAY BOARD, COMPLETE | |
| | | ********** | |
| | 1-634-335-11 | (D) FLEXIBLE BOARD | |
| * | 3-345-319-01 | PLATE, LIGHT GUIDE | |
| * | 3-345-335-01 | HOLDER (LCD) | |
| | 3-345-373-01 | SHEET (DIFFUSION) | |
| * | 4-920-366-01 | SPACER (S) | |
| | | < CAPACITOR > | |
| C801 | 1-163-201-00 | CERAMIC CHIP 680PF 5% | 50V |
| C802 | 1-162-637-11 | CERAMIC CHIP 0.47uF | 16V |
| | | < DIODE > | |
| D801 | 8-719-987-45 | LED CL-155Y/PG-CD (OFF) | |
| D802 | 8-719-987-45 | LED CL-155Y/PG-CD (DISC) | |
| D803 | 8-719-987-45 | LED CL-155Y/PG-CD (DISC) | |
| D804 | 8-719-987-45 | LED CL-155Y/PG-CD (MUTE) | |
| D805 | 8-719-987-45 | LED CL-155Y/PG-CD (-) | |
| D806 | 8-719-987-45 | LED CL-155Y/PG-CD (SELECT) | |
| D807 | 8-719-987-45 | LED CL-155Y/PG-CD (+) | |
| D808 | 8-719-987-45 | LED CL-155Y/PG-CD (LOUD) | |
| D809 | 8-719-987-45 | LED CL-155Y/PG-CD (DISC) | |
| D810 | 8-719-987-45 | LED CL-155Y/PG-CD (DISC) | |
| D811 | 8-719-987-45 | LED CL-155Y/PG-CD (⏏) | |
| D812 | 8-719-987-45 | LED CL-155Y/PG-CD (M.SCAN/A.MEM) | |
| D813 | 8-719-987-45 | LED CL-155Y/PG-CD (1) | |
| D814 | 8-719-987-45 | LED CL-155Y/PG-CD (2) | |
| D815 | 8-719-987-45 | LED CL-155Y/PG-CD (3) | |
| D816 | 8-719-987-45 | LED CL-155Y/PG-CD (FM) | |
| D817 | 8-719-987-45 | LED CL-155Y/PG-CD (SENS) | |
| D818 | 8-719-987-45 | LED CL-155Y/PG-CD (INTRO/4) | |
| D819 | 8-719-987-45 | LED CL-155Y/PG-CD (REPEAT/5) | |
| D820 | 8-719-987-45 | LED CL-155Y/PG-CD (SHUF/6) | |

# DISPLAY | MAIN

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| D821 | 8-719-987-45 | LED CL-155Y/PG-CD (AM) | |
| D822 | 8-719-987-45 | LED CL-155Y/PG-CD (-/ ⏮) | |
| D823 | 8-719-987-45 | LED CL-155Y/PG-CD (MANU) | |
| D824 | 8-719-987-45 | LED CL-155Y/PG-CD (+/ ⏭) | |
| D825 | 8-719-987-45 | LED CL-155Y/PG-CD (-/ ⏮) | |
| D826 | 8-719-987-45 | LED CL-155Y/PG-CD (SEEK/AMS) | |
| D827 | 8-719-987-45 | LED CL-155Y/PG-CD (+/ ⏭) | |
| D828 | 8-719-987-45 | LED CL-155Y/PG-CD (CD/ ▷⏸) | |
| D829 | 8-719-400-18 | DIODE MA152WK | |
| | | < IC > | |
| IC801 | 8-759-821-44 | IC LC7582 | |
| | | < LIQUID CRYSTAL DISPLAY > | |
| LCD801 | 1-808-983-11 | DISPLAY PANEL, LIQUID CRYSTAL | |
| | | < PILOT LAMP > | |
| PL801 | 1-518-553-11 | LAMP, PILOT | |
| PL802 | 1-518-646-11 | LAMP, PILOT | |
| PL803 | 1-518-553-11 | LAMP, PILOT | |
| PL804 | 1-518-646-11 | LAMP, PILOT | |
| | | < TRANSISTOR > | |
| Q801 | 8-729-904-66 | TRANSISTOR DTD113EK | |
| Q802 | 8-729-904-66 | TRANSISTOR DTD113EK | |
| Q803 | 8-729-904-66 | TRANSISTOR DTD113EK | |
| Q804 | 8-729-904-66 | TRANSISTOR DTD113EK | |
| | | < RESISTOR > | |
| R801 | 1-216-239-00 | METAL GLAZE 51K 5% 1/8W | |
| R802 | 1-216-262-00 | METAL GLAZE 470K 5% 1/8W | |
| R803 | 1-216-198-00 | METAL CHIP 1K 5% 1/8W | |
| R804 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R805 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R806 | 1-216-188-00 | METAL GLAZE 390 5% 1/8W | |
| R807 | 1-216-184-00 | METAL GLAZE 270 5% 1/8W | |
| R808 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R809 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R810 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R811 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R812 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R813 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R814 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R815 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R816 | 1-216-188-00 | METAL GLAZE 390 5% 1/8W | |
| R817 | 1-216-184-00 | METAL GLAZE 270 5% 1/8W | |
| R818 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R819 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R820 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R821 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| R822 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W | |
| R823 | 1-216-178-00 | METAL GLAZE 150 5% 1/8W | |
| | | < SWITCH > | |
| SW801 | 1-554-813-41 | SWITCH, KEY BOARD (MUTE) | |
| SW802 | 1-554-813-41 | SWITCH, KEY BOARD (-) | |
| SW803 | 1-554-813-41 | SWITCH, KEY BOARD (SELECT) | |
| SW804 | 1-554-813-41 | SWITCH, KEY BOARD (+) | |
| SW805 | 1-554-813-41 | SWITCH, KEY BOARD (LOUD) | |
| SW806 | 1-554-813-41 | SWITCH, KEY BOARD (SELECT) | |
| SW807 | 1-571-938-21 | SWITCH, KEY BOARD (ILL) | |
| SW809 | 1-554-813-41 | SWITCH, KEY BOARD (MANU(-/ ⏮)) | |
| SW810 | 1-554-813-41 | SWITCH, KEY BOARD (MANU(+/ ⏭)) | |
| SW811 | 1-554-813-41 | SWITCH, KEY BOARD (SEEK/AMS(-/ ⏮)) | |
| SW812 | 1-554-813-41 | SWITCH, KEY BOARD (SEEK/AMS(+/ ⏭)) | |
| SW813 | 1-554-813-41 | SWITCH, KEY BOARD (3) | |
| SW814 | 1-554-813-41 | SWITCH, KEY BOARD (INTRO/4) | |
| SW815 | 1-554-813-41 | SWITCH, KEY BOARD (REPEAT/5) | |
| SW816 | 1-554-813-41 | SWITCH, KEY BOARD (SHUF/6) | |
| SW817 | 1-554-813-41 | SWITCH, KEY BOARD ( ⏏ ) | |
| SW818 | 1-554-813-41 | SWITCH, KEY BOARD (M.SCAN/A.MEM) | |
| SW819 | 1-554-813-41 | SWITCH, KEY BOARD (1) | |
| SW820 | 1-554-813-41 | SWITCH, KEY BOARD (2) | |
| SW821 | 1-554-813-41 | SWITCH, KEY BOARD (OFF) | |
| SW822 | 1-554-813-41 | SWITCH, KEY BOARD (FM) | |
| SW823 | 1-554-813-41 | SWITCH, KEY BOARD (AM) | |
| SW824 | 1-554-813-41 | SWITCH, KEY BOARD (CD/ ▷⏸) | |
| SW825 | 1-571-938-21 | SWITCH, KEY BOARD (RESET) | |

**********

| | | | |
|---|---|---|---|
| * | A-3222-148-A | MAIN BOARD, COMPLETE | |
| | | ********** | |
| | | < BATTERY > | |
| BT601 | 1-528-225-31 | BATTERY, LITHIUM | |
| | | < CAPACITOR > | |
| C101 | 1-136-165-00 | FILM 0.1uF 5% 50V | |
| C102 | 1-130-474-00 | MYLAR 0.0018uF 5% 50V | |
| C103 | 1-130-480-00 | MYLAR 0.0056uF 5% 50V | |
| C104 | 1-124-499-11 | ELECT, NONPOLAR 1uF 20% 50V | |
| C105 | 1-124-589-11 | ELECT 47uF 20% 16V | |
| C106 | 1-130-477-00 | MYLAR 0.0033uF 5% 50V | |
| C107 | 1-124-464-11 | ELECT 0.22uF 20% 50V | |
| C108 | 1-124-589-11 | ELECT 47uF 20% 16V | |
| C109 | 1-130-476-00 | MYLAR 0.0027uF 5% 50V | |
| C110 | 1-136-162-00 | FILM 0.056uF 5% 50V | |
| C111 | 1-136-162-00 | FILM 0.056uF 5% 50V | |
| C112 | 1-163-117-00 | CERAMIC CHIP 100PF 5% 50V | |

**MAIN**

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C113 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C114 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C116 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C117 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C118 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C119 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C120 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C151 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C201 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C202 | 1-130-474-00 | MYLAR | 0.0018uF | 5% | 50V |
| C203 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V |
| C204 | 1-124-499-11 | ELECT, NONPOLAR | 1uF | 20% | 50V |
| C205 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C206 | 1-130-477-00 | MYLAR | 0.0033uF | 5% | 50V |
| C207 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C208 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C209 | 1-130-476-00 | MYLAR | 0.0027uF | 5% | 50V |
| C210 | 1-136-162-00 | FILM | 0.056uF | 5% | 50V |
| C211 | 1-136-162-00 | FILM | 0.056uF | 5% | 50V |
| C212 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C213 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C214 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C215 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C216 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C217 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C218 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C219 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C220 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C251 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C304 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C305 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C306 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C307 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C308 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C309 | 1-163-119-00 | CERAMIC CHIP | 120PF | 5% | 50V |
| C310 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C311 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C401 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C402 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C403 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C404 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C405 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C406 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C407 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C408 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C409 | 1-124-360-00 | ELECT | 1000uF | 20% | 16V |
| C411 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C412 | 1-126-288-11 | ELECT | 4.7uF | 20% | 16V |
| C413 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C414 | 1-126-288-11 | ELECT | 4.7uF | 20% | 16V |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C420 | 1-135-145-11 | TANTALUM CHIP | 0.47uF | 10% | 35V |
| C421 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C422 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C429 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C501 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C502 | 1-126-927-11 | ELECT | 2200uF | 20% | 10V |
| C503 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C504 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C505 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C506 | 1-126-176-11 | ELECT | 220uF | 20% | 10V |
| C507 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C508 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C510 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C511 | 1-124-360-00 | ELECT | 1000uF | 20% | 16V |
| C512 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C513 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| C514 | 1-163-101-00 | CERAMIC CHIP | 22PF | 5% | 50V |
| C601 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C602 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C603 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C604 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C605 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C606 | 1-163-157-00 | FILM | 0.022uF | 5% | 50V |
| C607 | 1-126-162-11 | ELECT | 3.3uF | 20% | 50V |
| C608 | 1-126-162-11 | ELECT | 3.3uF | 20% | 50V |
| C609 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C610 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C611 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C612 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C613 | 1-126-288-11 | ELECT | 4.7uF | 20% | 16V |
| C614 | 1-128-054-11 | ELECT | 22uF | 20% | 10V |
| C615 | 1-130-477-00 | MYLAR | 0.0033uF | 5% | 50V |
| C616 | 1-163-157-00 | FILM | 0.022uF | 5% | 50V |
| C617 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V |
| C618 | 1-130-474-00 | MYLAR | 0.0018uF | 5% | 50V |
| C619 | 1-126-288-11 | ELECT | 4.7uF | 20% | 16V |
| C620 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C621 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| C622 | 1-126-301-11 | ELECT | 1uF | 20% | 50V |
| C623 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C624 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V |
| C625 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C626 | 1-126-154-11 | ELECT | 47uF | 20% | 6.3V |
| C627 | 1-136-155-00 | FILM | 0.015uF | 5% | 50V |
| C628 | 1-136-155-00 | FILM | 0.015uF | 5% | 50V |
| C629 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C630 | 1-163-097-00 | CERAMIC CHIP | 15PF | 5% | 50V |
| C663 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |

# MAIN

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < JACK > | |
| * CNJ1 | 1-691-111-21 | SOCKET, CONNECTOR 18P | |
| * CNJ2 | 1-563-003-21 | SOCKET, CONNECTOR 20P | |
| * CNJ3 | 1-569-630-11 | SOCKET, CONNECTOR 9P | |
| CNJ4 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | |
| CNJ5 | 1-566-531-11 | CONNECTOR, FPC (ZIF) 15P | |
| | | < DIODE > | |
| D101 | 8-719-109-72 | DIODE RD3.9ES-B2 | |
| D102 | 8-719-109-72 | DIODE RD3.9ES-B2 | |
| D103 | 8-719-109-75 | DIODE RD4.3ES-B2 | |
| D201 | 8-719-109-72 | DIODE RD3.9ES-B2 | |
| D202 | 8-719-109-72 | DIODE RD3.9ES-B2 | |
| D203 | 8-719-109-75 | DIODE RD4.3ES-B2 | |
| D301 | 8-719-109-75 | DIODE RD4.3ES-B2 | |
| D401 | 8-719-200-82 | DIODE 11ES2 | |
| D402 | 8-719-120-75 | DIODE RD6.2ES-L1 | |
| D403 | 8-719-110-46 | DIODE RD16ES-B3 | |
| D404 | 8-719-120-75 | DIODE RD6.2ES-L1 | |
| D405 | 8-719-911-19 | DIODE 1SS119 | |
| D406 | 8-719-110-13 | DIODE RD9.1ES-B2 | |
| D407 | 8-719-110-09 | DIODE RD8.2ES-B3 | |
| D410 | 8-719-110-14 | DIODE RD9.1ES-B3 | |
| D411 | 8-719-110-13 | DIODE RD9.1ES-B2 | |
| D412 | 8-719-120-78 | DIODE RD6.2ES-L3 | |
| D413 | 8-719-104-34 | DIODE 1S2836 | |
| D414 | 8-719-109-89 | DIODE RD5.6ES-B2 | |
| D415 | 8-719-911-19 | DIODE 1SS119 | |
| D416 | 8-719-400-18 | DIODE MA152WK | |
| D501 | 8-719-911-19 | DIODE 1SS119 | |
| D502 | 8-719-911-19 | DIODE 1SS119 | |
| D503 | 8-719-911-19 | DIODE 1SS119 | |
| D504 | 8-719-911-19 | DIODE 1SS119 | |
| D505 | 8-719-400-18 | DIODE MA152WK | |
| D506 | 8-719-110-13 | DIODE RD9.1ES-B2 | |
| D507 | 8-719-911-19 | DIODE 1SS119 | |
| D509 | 8-719-911-19 | DIODE 1SS119 | |
| D510 | 8-719-911-19 | DIODE 1SS119 | |
| D511 | 8-719-911-19 | DIODE 1SS119 | |
| D601 | 8-719-800-76 | DIODE 1SS226 | |
| D602 | 8-719-104-34 | DIODE 1S2836 | |
| D603 | 8-719-911-19 | DIODE 1SS119 | |
| D604 | 8-719-911-19 | DIODE 1SS119 | |
| | | < FRONTEND > | |
| FE601 | 1-465-141-21 | TUNER UNIT (FM/MW/LW) | |
| | | < IC > | |
| HIC601 | 1-808-515-11 | IC NMX3S900 | |

| Ref.No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < IC > | |
| IC101 | 8-759-909-71 | IC BA4558F | |
| IC102 | 8-759-909-71 | IC BA4558F | |
| IC103 | 8-759-909-71 | IC BA4558F | |
| IC104 | 8-759-909-71 | IC BA4558F | |
| IC201 | 8-759-909-71 | IC BA4558F | |
| IC202 | 8-759-909-71 | IC BA4558F | |
| IC203 | 8-759-909-71 | IC BA4558F | |
| IC204 | 8-759-909-71 | IC BA4558F | |
| IC301 | 8-759-501-31 | IC SM5840CS | |
| IC302 | 8-759-909-71 | IC BA4558F | |
| IC303 | 8-759-932-64 | IC BU4052BF | |
| IC304 | 8-759-820-15 | IC LC7537AN | |
| IC305 | 8-759-631-00 | IC M5280FP | |
| IC306 | 8-759-822-61 | IC LC78820M | |
| IC401 | 8-759-982-07 | IC NJM7808FA | |
| IC402 | 8-759-701-56 | IC NJM78M05FA | |
| IC501 | 8-759-151-43 | IC uPD75516GF-160-3B9 | |
| IC502 | 8-759-932-86 | IC BU4081BF | |
| IC503 | 8-759-802-76 | IC LB1645N | |
| IC601 | 8-759-821-43 | IC LC7218M | |
| | | < JUMPER RESISTOR > | |
| JR401 | 1-216-295-00 | METAL CHIP 0 5% 1/10W | |
| JR500 | 1-216-295-00 | METAL CHIP 0 5% 1/10W | |
| JR502 | 1-216-295-00 | METAL CHIP 0 5% 1/10W | |
| | | < COIL > | |
| L401 | 1-410-519-11 | INDUCTOR 68uH | |
| L501 | 1-408-424-00 | INDUCTOR 180uH | |
| L502 | 1-408-424-00 | INDUCTOR 180uH | |
| L503 | 1-408-424-00 | INDUCTOR 180uH | |
| L601 | 1-410-513-11 | INDUCTOR 22uH | |
| | | < TRANSISTOR > | |
| Q101 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q102 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q201 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q202 | 8-729-920-21 | TRANSISTOR DTC314TKH04 | |
| Q401 | 8-729-901-01 | TRANSISTOR DTC144EK | |
| Q402 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q403 | 8-729-901-01 | TRANSISTOR DTC144EK | |
| Q404 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q405 | 8-729-106-60 | TRANSISTOR 2SB1115A | |
| Q406 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q407 | 8-729-921-48 | TRANSISTOR 2SD1760F5-Q | |
| Q408 | 8-729-106-60 | TRANSISTOR 2SB1115A | |
| Q409 | 8-729-901-00 | TRANSISTOR DTC124EK | |
| Q410 | 8-729-921-48 | TRANSISTOR 2SD1760F5-Q | |
| Q411 | 8-729-901-05 | TRANSISTOR DTA124EK | |

| Ref.No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| Q412 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q413 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q414 | 8-729-105-29 | TRANSISTOR | 2SA1385 | |
| Q415 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q416 | 8-729-105-29 | TRANSISTOR | 2SA1385 | |
| Q417 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q418 | 8-729-921-48 | TRANSISTOR | 2SD1760F5-Q | |
| Q419 | 8-729-920-85 | TRANSISTOR | 2SD1664-QR | |
| Q420 | 8-729-105-29 | TRANSISTOR | 2SA1385 | |
| Q421 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q422 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q423 | 8-729-920-85 | TRANSISTOR | 2SD1664-QR | |
| Q424 | 8-729-901-05 | TRANSISTOR | DTA124EK | |
| Q425 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q428 | 8-729-105-29 | TRANSISTOR | 2SA1385 | |
| Q429 | 8-729-106-60 | TRANSISTOR | 2SB1115A | |
| Q430 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q501 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q502 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q503 | 8-729-900-53 | TRANSISTOR | DTC114EK | |
| Q504 | 8-729-900-98 | TRANSISTOR | DTC143TK | |
| Q505 | 8-729-900-53 | TRANSISTOR | DTC114EK | |
| Q601 | 8-729-901-05 | TRANSISTOR | DTA124EK | |
| Q602 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q603 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q604 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | |
| Q605 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | |
| Q606 | 8-729-106-60 | TRANSISTOR | 2SB1115A | |
| Q607 | 8-729-106-60 | TRANSISTOR | 2SB1115A | |
| Q608 | 8-729-901-00 | TRANSISTOR | DTC124EK | |
| Q609 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | |
| Q610 | 8-729-901-00 | TRANSISTOR | DTC124EK | |

< RESISTOR >

| | | | | | |
|---|---|---|---|---|---|
| R101 | 1-216-286-00 | METAL GLAZE | 4.7M | 5% | 1/8W |
| R102 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R103 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R104 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R105 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R106 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R107 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R108 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R109 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R110 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R111 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R112 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R113 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R114 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R115 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R116 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R117 | 1-216-083-00 | METAL CHIP | 27K | 5% | 1/10W |
| R118 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R119 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R120 | 1-216-083-00 | METAL CHIP | 27K | 5% | 1/10W |
| R121 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R122 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R123 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R124 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R125 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R201 | 1-216-286-00 | METAL GLAZE | 4.7M | 5% | 1/8W |
| R202 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R203 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R204 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R205 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R206 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R207 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R208 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R209 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R210 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R211 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R212 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R213 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R214 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R215 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R216 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R217 | 1-216-083-00 | METAL CHIP | 27K | 5% | 1/10W |
| R218 | 1-216-121-00 | METAL CHIP | 1M | 5% | 1/10W |
| R219 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R220 | 1-216-083-00 | METAL CHIP | 27K | 5% | 1/10W |
| R221 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R222 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R223 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R224 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R225 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R304 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R305 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R306 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R307 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R308 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R309 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R401 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R402 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R403 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R404 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R405 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R406 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R407 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R408 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R409 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |

# MAIN

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R410 | 1-216-035-00 | METAL CHIP | 270 | 5% | 1/10W |
| R411 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R412 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R413 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R414 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R415 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R416 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R417 | 1-216-091-00 | METAL CHIP | 56K | 5% | 1/10W |
| R418 | 1-216-075-00 | METAL CHIP | 12K | 5% | 1/10W |
| R419 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R420 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R421 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R422 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R423 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R424 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R425 | 1-216-035-00 | METAL CHIP | 270 | 5% | 1/10W |
| R426 | 1-216-035-00 | METAL CHIP | 270 | 5% | 1/10W |
| R427 | 1-216-194-00 | METAL CHIP | 680 | 5% | 1/8W |
| R428 | 1-216-051-00 | METAL CHIP | 1.2K | 5% | 1/10W |
| R429 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R430 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R431 | 1-216-206-00 | METAL GLAZE | 2.2K | 5% | 1/8W |
| R432 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R433 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R434 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R436 | 1-216-194-00 | METAL CHIP | 680 | 5% | 1/8W |
| R438 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R439 | 1-216-200-00 | METAL GLAZE | 1.2K | 5% | 1/8W |
| R440 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R441 | 1-216-190-00 | METAL GLAZE | 470 | 5% | 1/8W |
| R501 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R502 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R503 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R504 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R505 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R506 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R507 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R508 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R509 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R510 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R511 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R512 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R513 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R514 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R515 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R516 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R517 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R518 | 1-216-035-00 | METAL CHIP | 270 | 5% | 1/10W |
| R519 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R520 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |

| Ref.No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R521 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R522 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R523 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R524 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R525 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R526 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R528 | 1-216-001-00 | METAL CHIP | 10 | 5% | 1/10W |
| R529 | 1-216-027-00 | METAL CHIP | 120 | 5% | 1/10W |
| R530 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R531 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R532 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R533 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R601 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R602 | 1-216-043-00 | METAL CHIP | 560 | 5% | 1/10W |
| R603 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R604 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R605 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R606 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R607 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R608 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R609 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R610 | 1-216-063-00 | METAL CHIP | 3.9K | 5% | 1/10W |
| R611 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R612 | 1-216-049-00 | METAL CHIP | 1K | 5% | 1/10W |
| R613 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R614 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R615 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R616 | 1-216-067-00 | METAL CHIP | 5.6K | 5% | 1/10W |
| R617 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R618 | 1-216-080-00 | METAL CHIP | 20K | 5% | 1/10W |
| R619 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |
| R620 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R621 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R622 | 1-216-055-00 | METAL CHIP | 1.8K | 5% | 1/10W |
| R623 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R624 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R625 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R626 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| R627 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R628 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R629 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R630 | 1-216-295-00 | METAL CHIP | 0 | 5% | 1/10W |
| R680 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W |

< VARIABLE RESISTOR >

| | | |
|---|---|---|
| RV601 | 1-238-716-11 | RES, ADJ, METAL GLAZE 100K |
| RV602 | 1-238-713-11 | RES, ADJ, METAL GLAZE 10K |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < SWITCH > | |
| SW2 | 1-570-504-11 | SWITCH, MICRO (CASE DET) | |
| SW501 | 1-572-186-21 | SWITCH, SLIDE (ACCESSORY CHANGE) | |
| | | < THERMISTOR > | |
| TH501 | 1-808-656-11 | THERMISTOR | |
| | | < VIBRATOR > | |
| X301 | 1-567-820-11 | VIBRATOR, CRYSTAL (16.9344MHz) | |
| X501 | 1-567-775-11 | VIBRATOR, CERAMIC (4.19MHz) | |
| X601 | 1-567-250-11 | OSCILLATOR, CERAMIC (18.95kHz) | |
| X602 | 1-567-848-11 | VIBRATOR, CRYSTAL (6.2MHz) | |

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# CDX-7561

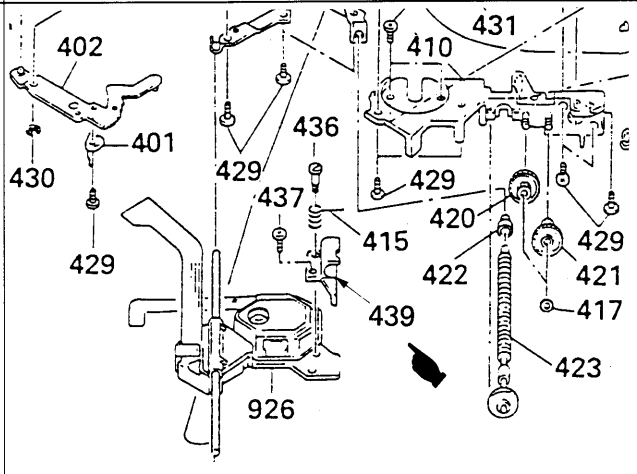
SONY®
# SERVICE MANUAL

*AEP Model*
*UK Model*

# CORRECTION-1

Please correct your Service Manual.

☛ : **corrected portion**

| PAGE | INCORRECT | CORRECT |
|---|---|---|
| 40 | Not Supplied |  |

| Ref. No. | Part. No. | Description | Remark |
|---|---|---|---|
| 439 | 2-625-272-02 | NUT, FEED | |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